

## **Public Utilities**

## Public Utilities

### Bldg - MWWD - Administration Struct

### Metro Pooled Contingency 2 / ABR00004

|                          |             |                             |                      |
|--------------------------|-------------|-----------------------------|----------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide             |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann         |
| <b>Duration:</b>         | 2010 - 2021 |                             | 858 292-6476         |
| <b>Improv Type:</b>      | Replacement |                             | ghwang@sanidiego.gov |

**Description:** This annual allocation provides for Capital Improvements Program (CIP) contingency needs for Metropolitan Sewer projects.

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will provide better CIP budget control. Project contingency needs (except annual allocation projects) will be met by this annual allocation.

**Schedule:** This annual allocation will be closed in Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$94,663 due to the project contingency being budgeted in the actual projects starting in Fiscal Year 2011. No future funding will occur in this annual allocation.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|---------|----------|---------|------------------------|---------|---------|---------|---------|---------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 0       | 173,688  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 173,688          |
| <b>Total</b>        |         |         | 173,688  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 173,688          |

## Public Utilities

### Bldg - MWWWD - Administration Struct

### Muni Pooled Contingency / ABR00001

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2021      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sanidiego.gov                     |

**Description:** This annual allocation provides for Capital Improvements Program (CIP) contingency needs for Municipal Sewer projects.

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's Progress Guide and General Plan.

**Justification / Public Benefit:** This project will provide better CIP budget control. Project contingency needs (except annual allocation projects) will be met by this annual allocation.

**Schedule:** This annual allocation will be closed in Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$2.5 million due to the project contingency being budgeted in the actual projects starting in Fiscal Year 2011. No future funding will occur in this annual allocation.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc | Con Appn  | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|---------|-----------|---------|------------------------|---------|---------|---------|---------|---------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 0       | 1,890,656 | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 1,890,656        |
| <b>Total</b>       |         |         | 1,890,656 | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 1,890,656        |

## Public Utilities

### Bldg - MWWD - Administration Struct

### North City Raw Sludge & Water Cathodic Upgrade / S00318

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 1      | <b>Community Plan:</b> South University City, Non City |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wong, Pete                 |
| <b>Duration:</b> 2005 - 2010    | 858-292-6475   |
| <b>Improv Type:</b> Expansion   | pwong@sandiego.gov                                     |

**Description:** This project provides for a new impressed current cathodic protection system to prevent external corrosion on the 36-inch reclaimed water pipeline, the 16-inch blended sludge pipeline, and the 20-inch centrate pipeline, between the North City Water Reclamation Plant (NCWRP) and the Metro Biosolids Center (MBC). The new system will replace an existing galvanic anode cathodic protection system.

**Relationship to General and Community Plans:** This project is consistent with the South University Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2005 and will be completed in Fiscal Year 2008. Construction began in Fiscal Year 2007 and was completed in Fiscal Year 2008.

**Justification / Public Benefit:** The existing cathodic protection system for these pipelines is inadequate and does not provide satisfactory corrosion protection to the pipelines. The new system will fully protect the pipelines and prevent any corrosion related sewer spills.

**Summary of Project Changes:** No significant changes have been made to this project. This project is complete and awaiting capitalization.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc        | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|----------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 417,597        | 134,902        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 552,499          |
| <b>Total</b>        |         | <b>417,597</b> | <b>134,902</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>552,499</b>   |

## Public Utilities

### Bldg - MWWD - Administration Struct

### Pt Loma-South Access Road Protection Project / S00316

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Peninsula        |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Phung, Tung |
| <b>Duration:</b> 2003 - 2018    | 858-292-6425                            |
| <b>Improv Type:</b> Replacement | tphung@sandiego.gov                     |

**Description:** This project provides for continued access to the Point Loma Wastewater Treatment Plant (PLWTP) investigating and if necessary implementing options to mitigate erosion at two sea coves adjacent to the plant's access road.

**Relationship to General and Community Plans:** This project is consistent with the Peninsula Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The treatment plant has only one access road as granted by the federal government and this project is needed to ensure continued access.

**Schedule:** Phase I design began in Fiscal Year 2002 and was completed in Fiscal Year 2007. Based on re-prioritization of projects, Phase II design and construction is scheduled to begin in Fiscal Year 2018 and be completed in Fiscal Year 2018.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc        | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY      | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|----------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|----------------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 238,153        | 113,545        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 385,000        | 0                       | 736,698          |
| <b>Total</b>        |         | <b>238,153</b> | <b>113,545</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>385,000</b> | <b>0</b>                | <b>736,698</b>   |

## Public Utilities

### Bldg - MWWD - Administration Struct

**Council District:** 2, 6, 7  
**Project Status:** Released  
**Duration:** 1999 - 2018  
**Improv Type:** Expansion

### Wet Weather Storage Facility / S00314

**Community Plan:** South University City, Clairemont Mesa, Mission Bay Park  
**Contact Information:** Phung, Tung  
 858-292-6425  
 tphung@sandiego.gov

**Description:** This project includes the implementation of the Live Stream Discharge of reclaimed water from the North City Reclamation Plant during heavy rain events to reduce the capacity demand on the downstream sewer system and facilities. This project also includes constructing a seven million gallon Underground Storage Tank at Liberty Station (vacated Naval Training Center) to provide hydraulic relief to Pump Station 2, the South and North Metro Interceptors, and the major trunk sewers.

**Justification / Public Benefit:** The facility will reduce the risk of potential wet weather overflows, which may be caused by the capacity limitation of the Metro Pump Station 2 during extreme rainfall events.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the University and Clairemont Mesa Community Plans, and Mission Bay Park Master Plan and is in conformance with the City's General Plan.

**Schedule:** A feasibility study for wet weather intermittent stream discharge is being conducted and it is scheduled to be completed in Fiscal Year 2011. Construction for the facilities required for the wet weather intermittent stream discharge is scheduled to begin in Fiscal Year 2012. Design for a seven million gallon storage facility is scheduled to be completed in Fiscal Year 2013. Construction for a storage facility is scheduled to begin in Fiscal Year 2014 and be completed in Fiscal Year 2018.

**Summary of Project Changes:** The total project cost decreased by \$432,640 due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012          | FY 2013          | FY 2014          | FY 2015           | FY 2016           | Future FY         | Unidentified<br>Funding | Project<br>Total  |
|---------------------|---------|------------------|----------------|----------|------------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------------|-------------------|
| METRO SEWER UTILITY | 700001  | 2,293,607        | 698,019        | 0        | 0                      | 1,438,454        | 2,700,000        | 4,407,911        | 14,213,094        | 36,960,000        | 29,305,322        | 0                       | 92,016,407        |
| <b>Total</b>        |         | <b>2,293,607</b> | <b>698,019</b> | <b>0</b> | <b>0</b>               | <b>1,438,454</b> | <b>2,700,000</b> | <b>4,407,911</b> | <b>14,213,094</b> | <b>36,960,000</b> | <b>29,305,322</b> | <b>0</b>                | <b>92,016,407</b> |

## Public Utilities

### Bldg - MWWD - Laboratories

### Alvarado Water Quality Lab Roof Replacement / S00311

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Navajo           |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Phung, Tung |
| <b>Duration:</b> 2008 - 2011    | 858 292-6425                            |
| <b>Improv Type:</b> Replacement | tphung@sandiego.gov                     |

**Description:** This project provided for the removal and replacement of approximately 58,000 square feet of roofing, installation of California Title 24 roof coating, the removal and installation of HVAC ductwork at the water chemistry and industrial waste unit offices and the installation of miscellaneous sheet metal and flashing.

**Relationship to General and Community Plans:** This project is consistent with the Mission Trails Regional Park and Navajo Community Plans and is in conformance with the City's General Plan.

**Schedule:** This project is complete and awaiting closure and capitalization.

**Justification / Public Benefit:** These improvements were needed to repair a leaking and deteriorated roofing system.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc        | Con Appn      | FY 2011  | FY 2011 Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total  |
|---------------------|---------|----------------|---------------|----------|---------------------|----------|----------|----------|----------|----------|-----------|----------------------|----------------|
| METRO SEWER UTILITY | 700001  | 336,023        | 58,871        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 394,894        |
| <b>Total</b>        |         | <b>336,023</b> | <b>58,871</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>394,894</b> |

## Public Utilities

### Bldg - MWWd - Laboratories

### EM&TS Esplanade and Steam Line Relocation / S00319

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Peninsula            |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Elling, Michael |
| <b>Duration:</b> 2014 - 2016    | 858 292-6477                                |
| <b>Improv Type:</b> Expansion   | melling@sandiego.gov                        |

**Description:** This project provides for design and construction of a boat dock, an esplanade (park) within an approximately 1.25 acre parcel located between the existing Public Utilities laboratory and adjacent boat channel, as well as under-grounding approximately 600 feet of an above ground steam line situated along the boat channel.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Peninsula Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** A 40,000 square foot ocean monitoring laboratory was constructed and is now in operation. As a part of the Public Benefit Conveyance of this property, Public Utilities is required to construct a boat dock and to fund a portion of the esplanade improvements along our frontage. To gain future unobstructed access to the boat dock within the adjacent boat channel, and to provide unobstructed access to the future esplanade, the existing steam line must be underground. Public Utilities currently leases boat dock space at Driscoll's Wharf, and this project would eliminate this ongoing expense.

**Schedule:** Partial design for the boat dock was completed in Fiscal Year 2001. The project was postponed due to site cleanup issues in the boat channel and conveyance of the channel to the City, and an updated design will be required. Design is scheduled to begin and be completed in Fiscal Year 2014, with construction to begin in Fiscal Year 2015 and scheduled to be completed in Fiscal Year 2016.

**Summary of Project Changes:** The total project cost increased by \$16,000 due to an increase for inflation.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011 Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015   | FY 2016 | Future FY | Unidentified Funding | Project Total |
|---------------------|---------|---------|----------|---------|---------------------|---------|---------|---------|-----------|---------|-----------|----------------------|---------------|
| METRO SEWER UTILITY | 700001  | 0       | 234,253  | 0       | 0                   | 0       | 0       | 385,465 | 1,497,884 | 420,651 | 0         | 0                    | 2,538,253     |
| <b>Total</b>        |         |         | 234,253  | 0       | 0                   | 0       | 0       | 385,465 | 1,497,884 | 420,651 | 0         | 0                    | 2,538,253     |



## Public Utilities

### Bldg - MWWD - Pump Stations

### Metropolitan System Pump Stations / ABP00002

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2021      | 858 292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for comprehensive upgrades, design modifications, and renovations or replacement of equipment such as pumps, valves, tanks, controls, odor control systems, etc. at Metropolitan System Pump Stations (Pump Stations 1, 2, Otay and Grove).

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** These improvements will allow pump stations to run more efficiently and increase the reliability of the Metropolitan Wastewater System.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn         | FY 2011        | FY 2011 Anticipated | FY 2012        | FY 2013        | FY 2014        | FY 2015        | FY 2016        | Future FY      | Unidentified Funding | Project Total     |
|---------------------|---------|------------------|------------------|----------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|-------------------|
| METRO SEWER UTILITY | 700001  | 9,940,110        | 3,897,332        | 337,459        | 0                   | 337,459        | 337,459        | 337,459        | 337,459        | 337,459        | 337,459        | 0                    | 16,199,655        |
| <b>Total</b>        |         | <b>9,940,110</b> | <b>3,897,332</b> | <b>337,459</b> | <b>0</b>            | <b>337,459</b> | <b>337,459</b> | <b>337,459</b> | <b>337,459</b> | <b>337,459</b> | <b>337,459</b> | <b>0</b>             | <b>16,199,655</b> |

## Public Utilities

### Bldg - MWW - Pump Stations

### NCWRP Sludge Pump Station Upgrade / S00309

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 5      | <b>Community Plan:</b> North University City |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Azar, Hossein    |
| <b>Duration:</b> 2006 - 2011    | 619-533-4102                                 |
| <b>Improv Type:</b> Replacement | hazar@sandiego.gov                           |

**Description:** This project provides for the correction of a vibration problem at the North City Water Reclamation Plant (NCWRP) Sludge Pump Station.

**Relationship to General and Community Plans:** This project is consistent with the North University Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Excessive vibration of the pump and flywheel contribute to wear and tear of equipment. The vibration also generates tremendous heat. The excessive vibration and heat can cause premature failure of equipment, impact operational efficiency and have structural impacts at the facility.

**Schedule:** Design began in Fiscal Year 2008 and will be completed in Fiscal Year 2011. Construction is scheduled to begin in Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc       | Con Appn       | FY 2011        | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|---------------|----------------|----------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 94,618        | 292,502        | 319,976        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 707,096          |
| <b>Total</b>        |         | <b>94,618</b> | <b>292,502</b> | <b>319,976</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>707,096</b>   |

## Public Utilities

### Bldg - MWWD - Pump Stations

### Pump Station 2 Onsite Standby Power / S00312

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Midway - Pacific Highway |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wong, Pete          |
| <b>Duration:</b> 2005 - 2016    | 858-292-6475                                    |
| <b>Improv Type:</b> Expansion   | pwong@sandiego.gov                              |

**Description:** This project will replace the engine drives for pumps 4 and 5 with electric motors and provide two generators for electrical power to the pumps at the station. This will provide the required surge protection against an electrical utility outage and comply with Environmental Protection Agency (EPA) recommendation of standby power for essential facilities.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Midway/Pacific Highway Corridor Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The current utility power system does not meet the required EPA power requirements. Two of the existing utility feeds are only rated at 5 MVA with the third rated at 10 MVA. All feeds are limited to two pumps, except during emergency conditions, which provide less than 50 percent of the possible demand. By upgrading the two 5 MVA feeds to 10 MVA and installing a fourth 10 MVA feed, the station will have four 50 percent feeds which will comply with the EPA required two 100 percent feeds. This will also enhance station reliability by allowing any pump to be powered by the engine generators instead of pumps 4 and 5 as currently configured. This will provide the station with four 50 percent utility feeds to comply with (EPA) power requirements.

**Schedule:** Design is scheduled to begin in Fiscal Year 2011 and be completed in Fiscal Year 2013. Construction will begin in Fiscal Year 2014 and is scheduled to be completed in Fiscal Year 2016.

**Summary of Project Changes:** The total project cost increased by \$100,000 due to an increase for inflation.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012        | FY 2013          | FY 2014          | FY 2015          | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|---------------------|---------|---------|----------------|----------|------------------------|----------------|------------------|------------------|------------------|----------|-----------|-------------------------|-------------------|
| METRO SEWER UTILITY | 700001  | 0       | 878,281        | 0        | 0                      | 500,000        | 1,361,209        | 6,171,621        | 1,302,370        | 0        | 0         | 0                       | 10,213,481        |
| <b>Total</b>        |         |         | <b>878,281</b> | <b>0</b> | <b>0</b>               | <b>500,000</b> | <b>1,361,209</b> | <b>6,171,621</b> | <b>1,302,370</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>10,213,481</b> |

## Public Utilities

### Bldg - MWWD - Pump Stations

### Pump Station 64 Electrical Upgrades / S00307

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 1      | <b>Community Plan:</b> North University City |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Phung, Tung      |
| <b>Duration:</b> 2008 - 2010    | 858-292-6475                                 |
| <b>Improv Type:</b> Replacement | pwong@sandiego.gov                           |

**Description:** This project provides modifications to the existing 2400 volt electrical distribution equipment to improve reliability of the pump station operations. This project will replace/upgrade key switchgear equipment and provide power monitoring equipment to better control station electrical demand and respond to electrical system emergencies.

**Relationship to General and Community Plans:** This project is consistent with the North University Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design and construction was completed in Fiscal Year 2008. This project is complete and awaiting capitalization.

**Justification / Public Benefit:** Recent electrical system failures have indicated problems with the current electrical system. An investigation will determine what upgrades are needed to improve the overall reliability of the electrical system.

**Summary of Project Changes:** No significant changes have been made to this project.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|---------|----------|---------|------------------------|---------|---------|---------|---------|---------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 0       | 239,200  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 239,200          |
| <b>Total</b>       |         |         | 239,200  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 239,200          |

## Public Utilities

### Bldg - MWWD - Pump Stations

### Pump Station 64,65, Penasquitos, E Mission Gorge / ABP00003

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2021      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for the comprehensive upgrades, design modifications, and major/minor renovations or replacement of equipment, such as pumps, valves, tanks, controls, and odor control systems at the pump stations.

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** These improvements will allow the pump stations to run more efficiently and increase the reliability of the Municipal Wastewater System.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** Project budget has decreased by \$3.9 million. Current funding within the project will support Fiscal Year 2011 needs.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc       | Con Appn         | FY 2011  | FY 2011 Anticipated | FY 2012        | FY 2013        | FY 2014        | FY 2015        | FY 2016        | Future FY      | Unidentified Funding | Project Total    |
|--------------------|---------|---------------|------------------|----------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 90,840        | 4,349,656        | 0        | 0                   | 350,957        | 350,957        | 350,957        | 350,957        | 350,957        | 350,957        | 0                    | 6,546,238        |
| <b>Total</b>       |         | <b>90,840</b> | <b>4,349,656</b> | <b>0</b> | <b>0</b>            | <b>350,957</b> | <b>350,957</b> | <b>350,957</b> | <b>350,957</b> | <b>350,957</b> | <b>350,957</b> | <b>0</b>             | <b>6,546,238</b> |

## Public Utilities

### Bldg - MWWWD - Pump Stations

### Pump Station 84 Upgrade & Pump Station 62 Abandon / S00308

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 1, 5   | <b>Community Plan:</b> Rancho Bernardo, Rancho Penasquitos |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Azar, Hossein                  |
| <b>Duration:</b> 2007 - 2014    | 619-533-4102   |
| <b>Improv Type:</b> Replacement | hazar@sanidiego.gov  |

**Description:** This project provides for the elimination of Sewer Pump Station 62 through the installation of various pipelines and the upsizing of Sewer Pump Station 84.

**Relationship to General and Community Plans:** This project is consistent with the Rancho Bernardo and Rancho Penasquitos Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project is needed to optimize the sewage system and to eliminate Sewer Pump Station 62.

**Schedule:** Design began in Fiscal Year 2007 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled in Fiscal Year 2012.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost increased by \$7 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn       | FY 2011          | FY 2011 Anticipated | FY 2012          | FY 2013          | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total     |
|--------------------|---------|------------------|----------------|------------------|---------------------|------------------|------------------|----------|----------|----------|-----------|----------------------|-------------------|
| GENERAL FUND       | 100000  | 520              | (520)          | 0                | 0                   | 0                | 0                | 0        | 0        | 0        | 0         | 0                    | 0                 |
| MUNI SEWER REVENUE | 700000  | 1,048,304        | 372,546        | 2,100,000        | 0                   | 2,639,114        | 3,873,819        | 0        | 0        | 0        | 0         | 0                    | 10,033,783        |
| <b>Total</b>       |         | <b>1,048,824</b> | <b>372,026</b> | <b>2,100,000</b> | <b>0</b>            | <b>2,639,114</b> | <b>3,873,819</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>10,033,783</b> |

## Public Utilities

### Bldg - MWWWD - Pump Stations

### Pump Station Restorations / ABP00001

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2021      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for the replacement of deteriorated pumping equipment and/or pipeline appurtenances.

**Relationship to General and Community Plans:** This annual allocation is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Many existing sewer pump stations have reached or exceeded their anticipated service life of 40 years. However, because of the widely varying actual lengths of service life, the scheduling for pump station restorations is difficult. This project allows flexibility in replacing deteriorated pumping equipment.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$200,000 due to revised project requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc           | Con Appn         | FY 2011        | FY 2011<br>Anticipated | FY 2012        | FY 2013        | FY 2014        | FY 2015        | FY 2016        | Future FY      | Unidentified<br>Funding | Project<br>Total  |
|--------------------|---------|-------------------|------------------|----------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 20,884,885        | 3,170,079        | 200,000        | 0                      | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 0                       | 27,254,964        |
| <b>Total</b>       |         | <b>20,884,885</b> | <b>3,170,079</b> | <b>200,000</b> | <b>0</b>               | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>0</b>                | <b>27,254,964</b> |

## Public Utilities

### Bldg - MWWD - Pump Stations

### Pump Station Upgrades Group I North County / S00303

|                          |             |                             |                    |
|--------------------------|-------------|-----------------------------|--------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide           |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Azar, Hossein      |
| <b>Duration:</b>         | 2003 - 2012 |                             | 619-533-4102       |
| <b>Improv Type:</b>      | Replacement |                             | hazar@sandiego.gov |

**Description:** This project provides for the upgrade of 23 pump stations, divided into four groups, located throughout San Diego. The upgrades involve providing new and backup pumps and motors, new control panels, new generators, redundant force mains, underground storage tanks, and miscellaneous civil work.

**Justification / Public Benefit:** This project will provide for the upgrading of deteriorated pump stations, improvement of the level of service to the residents of San Diego, and compliance with regulatory agencies by reducing the impact of sewer spills.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Group I design began in Fiscal Year 2003 and was completed in Fiscal Year 2009. Construction began in Fiscal Year 2009 and is scheduled to be completed in Fiscal Year 2010. Group II design began in Fiscal Year 2008 and was completed in Fiscal Year 2009. Construction is scheduled to begin in Fiscal Year 2010 and be completed in Fiscal Year 2011. Group III design began in Fiscal Year 2005 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to begin in Fiscal Year 2011 and be completed in Fiscal Year 2012. Group IV design was completed in Fiscal Year 2008. Group IV construction began in Fiscal Year 2008 and was completed in Fiscal Year 2009.

**Summary of Project Changes:** The total project cost decreased by \$10.9 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn         | FY 2011          | FY 2011 Anticipated | FY 2012        | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total     |
|--------------------|---------|------------------|------------------|------------------|---------------------|----------------|----------|----------|----------|----------|-----------|----------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 9,976,440        | 6,342,201        | 2,138,000        | 0                   | 727,583        | 0        | 0        | 0        | 0        | 0         | 0                    | 19,184,224        |
| <b>Total</b>       |         | <b>9,976,440</b> | <b>6,342,201</b> | <b>2,138,000</b> | <b>0</b>            | <b>727,583</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>19,184,224</b> |



## Public Utilities

### Bldg - MWWd - Pump Stations

**Council District:** 2, 6  
**Project Status:** Released  
**Duration:** 1999 - 2012  
**Improv Type:** Replacement - Rehab

### Sewer Pump Station 41 Rehabilitation / S00337

**Community Plan:** Mission Bay Park  
**Contact Information:** Gamboa, Wendy  
 619-235-1971  
 wgamboa@sandiego.gov

**Description:** This project provides for constructing a new pump station, emergency overflow storage structure, and 2,800 linear feet of primary and secondary force main to be primarily located in the right-of-way. The project includes the abandonment of the original pump station and existing force main currently located within the recreational space of Mission Bay Park.

**Justification / Public Benefit:** The existing pump station and force main were built in 1953 and have exceeded their service life. The project's goal is to restore and improve the reliability of the pump station and bring it up to current standards and regulations. This project is mandated by the Environmental Protection Agency.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Mission Bay Park Master Plan and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2003 and was completed in Fiscal Year 2008. Construction began in Fiscal Year 2009 and is scheduled to be completed in Fiscal Year 2011.

**Summary of Project Changes:** The total project cost increased by \$1 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn       | FY 2011        | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|------------------|----------------|----------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 7,362,199        | 636,672        | 879,000        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 8,877,871        |
| <b>Total</b>       |         | <b>7,362,199</b> | <b>636,672</b> | <b>879,000</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>8,877,871</b> |

## Public Utilities

### Bldg - MWWD - Pump Stations

### Sewer Pump Station 79 / S00338

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 1      | <b>Community Plan:</b> Los Penasquitos Canyon Preserve (RPQ), Fairbanks Ranch Country Club |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Navarro, Allan   |
| <b>Duration:</b> 2000 - 2011    | 858-292-6459   |
| <b>Improv Type:</b> Expansion   | anavarro@sandiego.gov  |

**Description:** This project provides for the installation of 8,230 feet of 12-inch force main and upgrading of the existing pump station pumps and electrical equipment.

**Relationship to General and Community Plans:** This project is consistent with the Los Penasquitos Canyon Preserve Master Plan and the Fairbanks Ranch Specific Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will provide for upgrading the pump station to City standards and increase the pump station capacity.

**Schedule:** Design began in Fiscal Year 2000 and was completed in Fiscal Year 2004. Construction is ongoing and expected to be completed in Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost decreased by \$600,000 due to revised project requirements. Total project cost does not reflect accrual adjustments.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|------------------|---------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 5,148,565        | 53,898        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 5,202,463        |
| <b>Total</b>       |         | <b>5,148,565</b> | <b>53,898</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>5,202,463</b> |

## Public Utilities

### Bldg - MWWWD - Treatment Plants

### CIP Bond Issuance Reserve / S00342

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann-Jiun   |
| <b>Duration:</b>         | 1993 - 2020 |                             | 858-292-6476        |
| <b>Improv Type:</b>      | Replacement |                             | ghwang@sandiego.gov |

**Description:** This project provides an emergency financial reserve for Wastewater Fund capital improvement projects.

**Justification / Public Benefit:** This reserve is required to comply with the stipulation from Bond Counsel.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This reserve is not a project. Projects utilizing this funding source are consistent with applicable community plans and are in conformance with the City's General Plan.

**Schedule:** The reserve will be used on an as-needed basis, in conformance with Bond Counsel requirements. This reserve will be held as a continuing appropriation.

**Summary of Project Changes:** No significant change has been made to this reserve for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc | Con Appn  | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|---------|-----------|---------|------------------------|---------|---------|---------|---------|---------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 0       | 5,000,000 | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 5,000,000        |
| <b>Total</b>        |         |         | 5,000,000 | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 5,000,000        |

## Public Utilities

### Bldg - MWWD - Treatment Plants

### MBC Biosolids Storage Silos / S00322

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Non City               |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Asgharzadeh, Iraj |
| <b>Duration:</b> 2007 - 2013    | 619-533-5105                                  |
| <b>Improv Type:</b> Expansion   | iasgharzadeh@sandiego.gov                     |

**Description:** This project provides for two additional biosolid storage silos (numbers 9 and 10).

**Justification / Public Benefit:** When a silo is out of service, silo storage capacity is frequently exceeded. In order to accommodate such events and to restore adequate silo capacity, it is essential to build two more storage silos.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2009 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to begin in Fiscal Year 2012 and be completed in Fiscal Year 2013.

**Summary of Project Changes:** The total project cost decreased by \$1 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn       | FY 2011          | FY 2011<br>Anticipated | FY 2012          | FY 2013        | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|------------------|----------------|------------------|------------------------|------------------|----------------|----------|----------|----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 1,086,043        | 571,717        | 1,600,000        | 0                      | 4,887,587        | 580,384        | 0        | 0        | 0        | 0         | 0                       | 8,725,731        |
| <b>Total</b>        |         | <b>1,086,043</b> | <b>571,717</b> | <b>1,600,000</b> | <b>0</b>               | <b>4,887,587</b> | <b>580,384</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>8,725,731</b> |

## Public Utilities

### Bldg - MWWD - Treatment Plants

### MBC Centrate Collection Upgrades / S00321

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Non City               |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Asgharzadeh, Iraj |
| <b>Duration:</b> 2008 - 2010    | 619-533-5105                                  |
| <b>Improv Type:</b> Expansion   | iasgharzadeh@sandiego.gov                     |

**Description:** This project provides for converting the existing foul air ducting into dual-use headers for centrate and foul air collection and will increase the size of the existing centrate collection headers.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project replaces the foul air header ducts at the centrifuges to a material that will handle both centrate and foul air. These improvements will provide a bypass pipeline for the centrate flow during additional improvements. The additional improvements will upgrade the undersized centrate collection headers for future larger centrate flows and prevent on-going centrate backups into the foul air duct headers and damage to the centrifuges.

**Schedule:** The Design-build project began in Fiscal Year 2009. Construction began in Fiscal Year 2010 and is scheduled to be completed in Fiscal Year 2011.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|------------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 1,958,955        | 260,540        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 2,219,495        |
| <b>Total</b>        |         | <b>1,958,955</b> | <b>260,540</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>2,219,495</b> |

## Public Utilities

### Bldg - MWWD - Treatment Plants

### MBC Dewatering Centrifuges Replacement / S00339

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Non City               |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Asgharzadeh, Iraj |
| <b>Duration:</b> 2009 - 2015    | 619-533-5105                                  |
| <b>Improv Type:</b> Expansion   | lAsgharzadeh@sandiego.gov                     |

**Description:** This project provides for the replacement of six existing dewatering centrifuges with six larger capacity units to handle larger future biosolids flows.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will increase the production capacity of the dewatering centrifuges to accommodate plant shutdowns for maintenance and construction, to accommodate future flows, and to address diverse types of constraining operational factors that limit current capacity. To achieve the required capacity, the existing dewatering centrifuge units must be replaced with larger units.

**Schedule:** Design is estimated to be completed in Fiscal Year 2011. Construction is scheduled to begin in Fiscal Year 2012 and be completed in Fiscal Year 2015.

**Summary of Project Changes:** The total project cost decreased by \$2.0 million due to revised project requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc       | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012        | FY 2013          | FY 2014          | FY 2015          | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|---------------|----------------|----------|------------------------|----------------|------------------|------------------|------------------|----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 13,257        | 423,580        | 0        | 0                      | 448,764        | 2,833,335        | 1,744,668        | 1,017,330        | 0        | 0         | 0                       | 6,480,934        |
| <b>Total</b>        |         | <b>13,257</b> | <b>423,580</b> | <b>0</b> | <b>0</b>               | <b>448,764</b> | <b>2,833,335</b> | <b>1,744,668</b> | <b>1,017,330</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>6,480,934</b> |

## Public Utilities

### Bldg - MWWDD - Treatment Plants

### MBC Odor Control Facility Upgrades / S00323

|                          |             |                             |                           |
|--------------------------|-------------|-----------------------------|---------------------------|
| <b>Council District:</b> | 7           | <b>Community Plan:</b>      | Non City                  |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Asgharzadeh, Iraj         |
| <b>Duration:</b>         | 2007 - 2013 |                             | 619-533-5105              |
| <b>Improv Type:</b>      | Expansion   |                             | lAsgharzadeh@sandiego.gov |

**Description:** This project provides for upgrading the odor control system fans and ducting to reduce system headlosses and improve overall foul air collection efficiency at the various process areas. Access platforms will also be installed at monitoring instruments and damper locations. This project will be implemented in three phases.

**Justification / Public Benefit:** Several areas at the Metro Biosolids Center (MBC) have been identified to cause significant odor problems due to foul air collection deficiencies because of insufficient fan capacity and high headlosses, including poorly located foul air collection registers. Installing access platforms at the monitoring instruments and air volume control dampers will provide safe and timely access for operation and maintenance needs.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** Design is estimated to begin in Fiscal Year 2011 and be completed in Fiscal Year 2013. Construction is scheduled to begin in Fiscal Year 2013.

**Summary of Project Changes:** The total project cost decreased by \$3.0 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc      | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012        | FY 2013          | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|--------------|------------------|----------|------------------------|----------------|------------------|----------|----------|----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 9,556        | 2,015,524        | 0        | 0                      | 105,321        | 1,471,151        | 0        | 0        | 0        | 0         | 0                       | 3,601,552        |
| <b>Total</b>        |         | <b>9,556</b> | <b>2,015,524</b> | <b>0</b> | <b>0</b>               | <b>105,321</b> | <b>1,471,151</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>3,601,552</b> |

## Public Utilities

### Bldg - MWWD - Treatment Plants

|                          |             |                             |  |
|--------------------------|-------------|-----------------------------|--|
| <b>Council District:</b> | 2, 5, 8     | <b>Community Plan:</b>      | North University City, Peninsula, Tijuana River Valley |
| <b>Project Status:</b>   | Created     | <b>Contact Information:</b> | Azar, Hossein  |
| <b>Duration:</b>         | 2010 - 2014 |                             | 619-533-4102   |
| <b>Improv Type:</b>      | Replacement |                             | hazar@sandiego.gov                                     |

**Description:** This project provides for replacement and upgrade of existing control systems at various Metropolitan Wastewater treatment and pump station facilities. These include the Metro Biosolids Center (MBC), North City Water Reclamation Plant (NCWRP), Point Loma Treatment Plant (PLWTP), South Bay Water Reclamation Plant (SBWRP), and Pump Station 2 (PS2).

**Justification / Public Benefit:** This project is needed to provide replacement of existing control systems at various facilities. The existing control systems are microprocessor/computer-based. The life cycle of these systems is seven to ten years. Replacement will also provide an upgrade in technology. The change in technology will provide the facilities with greater control system capabilities and are essential for future facility expansion.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with North University, Tijuana River Valley and Peninsula Community Plans, and is in conformance with the City's General Plan.

**Schedule:** Design and construction began in Fiscal Year 2010 and is scheduled to be completed in Fiscal Year 2012.

**Summary of Project Changes:** The total project cost decreased by \$9.0 million due to revised project requirements. Additionally, this project was originally budgeted under standalone S00320. Prior year expenditures are for the Metro Biosolids Center control system upgrade.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn         | FY 2011          | FY 2011<br>Anticipated | FY 2012        | FY 2013          | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|---------------------|---------|------------------|------------------|------------------|------------------------|----------------|------------------|----------|----------|----------|-----------|-------------------------|-------------------|
| METRO SEWER UTILITY | 700001  | 6,463,917        | 1,556,117        | 5,200,000        | 0                      | 700,000        | 2,600,000        | 0        | 0        | 0        | 0         | 0                       | 16,520,034        |
| <b>Total</b>        |         | <b>6,463,917</b> | <b>1,556,117</b> | <b>5,200,000</b> | <b>0</b>               | <b>700,000</b> | <b>2,600,000</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>16,520,034</b> |



## Public Utilities

### Bldg - MWWD - Treatment Plants

### Metro Treatment Plants / ABO00001

|                          |             |                             |  |
|--------------------------|-------------|-----------------------------|--|
| <b>Council District:</b> | 2, 6, 7, 8  | <b>Community Plan:</b>      | Peninsula, North University City, Tijuana River Valley |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann   |
| <b>Duration:</b>         | 2010 - 2021 |                             | 858 292-6476   |
| <b>Improv Type:</b>      | Replacement |                             | ghwang@sandiego.gov                                    |

**Description:** This annual allocation provides for renovation or replacement of facilities at Metro Treatment Plants - Point Loma Wastewater Plant (PLWTP), North City Water Reclamation Plant (NCWRP), South Bay Water Reclamation Plant (SBWRP) and Metro Biosolids Center (MBC).

**Relationship to General and Community Plans:** This project is consistent with Peninsula, Tijuana River Valley, North University Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Various facilities require replacement due to increasing wastewater flows and to be compliant with current regulatory requirements. Since the start-up period, several projects will be required within this facility to enhance or maintain operation. This annual allocation will be considered an enhancement to the facility and does not include operation and maintenance.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$857,025 due to this annual allocation being combined with other annual allocations including North City Water Reclamation Plant, South Bay Water Reclamation Plant, Point Loma Wastewater Treatment Plant and Metro Biosolids Center.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn         | FY 2011          | FY 2011<br>Anticipated | FY 2012          | FY 2013          | FY 2014          | FY 2015          | FY 2016          | Future FY        | Unidentified<br>Funding | Project<br>Total  |
|---------------------|---------|------------------|------------------|------------------|------------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------------|-------------------|
| METRO SEWER UTILITY | 700001  | 5,941,817        | 3,602,518        | 4,600,000        | 0                      | 8,719,825        | 2,680,175        | 1,000,000        | 1,000,000        | 1,000,000        | 1,000,000        | 0                       | 29,544,335        |
| <b>Total</b>        |         | <b>5,941,817</b> | <b>3,602,518</b> | <b>4,600,000</b> | <b>0</b>               | <b>8,719,825</b> | <b>2,680,175</b> | <b>1,000,000</b> | <b>1,000,000</b> | <b>1,000,000</b> | <b>1,000,000</b> | <b>0</b>                | <b>29,544,335</b> |

## Public Utilities

### Bldg - MWWD - Treatment Plants

### North City Water Reclamation Plant - EDR Enclosure / S00340

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 5      | <b>Community Plan:</b> North University City |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wong, Pete       |
| <b>Duration:</b> 2007 - 2011    | 858-292-6475                                 |
| <b>Improv Type:</b> Expansion   | pwong@sandiego.gov                           |

**Description:** This project will provide an enclosure around the Electro Dialysis Reversal (EDR) at the North City Water Reclamation Plant (NCWRP) to prevent harmful ultraviolet rays and coastal high salinity environmental levels from attacking existing equipment.

**Relationship to General and Community Plans:** This project is consistent with the North University Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** When the EDR was constructed, it was supposed to be a temporary facility with no enclosure. As a result, the EDR's cartridge filters, pumps, piping and other associated equipment are currently open to the environment and therefore are prone to ultraviolet light attack and a high salinity environment. The EDR enclosure will prevent equipment from prematurely failing due to ultraviolet light attack.

**Schedule:** Design began and was completed in Fiscal Year 2010. Construction began Fiscal Year 2010 and is scheduled to be completed in Fiscal Year 2011.

**Summary of Project Changes:** The total project cost decreased by \$260,000 due to revised project requirements.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc       | Con Appn       | FY 2011  | FY 2011 Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total  |
|---------------------|---------|---------------|----------------|----------|---------------------|----------|----------|----------|----------|----------|-----------|----------------------|----------------|
| METRO SEWER UTILITY | 700001  | 72,072        | 167,928        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 240,000        |
| <b>Total</b>        |         | <b>72,072</b> | <b>167,928</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>240,000</b> |

## Public Utilities

### Bldg - MWWd - Treatment Plants

### North City Water Reclamation Plant EDR Upgrade / S00324

|                          |             |                             |                       |
|--------------------------|-------------|-----------------------------|-----------------------|
| <b>Council District:</b> | 1           | <b>Community Plan:</b>      | South University City |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Wong, Pete            |
| <b>Duration:</b>         | 2007 - 2012 |                             | 858-292-6475          |
| <b>Improv Type:</b>      | Expansion   |                             | pwong@sandiego.gov    |

**Description:** This project provides for the upgrade of the electro dialysis reversal (EDR) equipment at the North City Water Reclamation Plant including piping, pumps, chemical feed system, and automatic backwash prefilters.

**Relationship to General and Community Plans:** This project is consistent with the South University Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design and construction began in Fiscal Year 2010 and will be completed in Fiscal Year 2012.

**Justification / Public Benefit:** The EDR was constructed to be a temporary facility with no enclosure. As a result, the EDR's cartridge filters, pumps, piping, and other associated equipment have corroded or failed due to the to ultraviolet light attack and a high salinity environment.

**Summary of Project Changes:** The total project cost decreased by \$535,000 due to revised project requirements.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc | Con Appn       | FY 2011        | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|---------|----------------|----------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 0       | 706,513        | 335,000        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 1,041,513        |
| <b>Total</b>        |         |         | <b>706,513</b> | <b>335,000</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>1,041,513</b> |

## Public Utilities

### Bldg - MWWD - Treatment Plants

### Point Loma Grit Processing Improvements / S00315

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Peninsula            |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Seymour, Stuart |
| <b>Duration:</b> 2001 - 2015    | 619-533-5105                                |
| <b>Improv Type:</b> Replacement | sseymour@sandiego.gov                       |

**Description:** This project provides for upgrading the existing grit removal process at the Point Loma Wastewater Treatment Plant (PLWTP) which includes new grit agitation blowers enclosed in a sound dampening facility and the associated air piping.

**Relationship to General and Community Plans:** This project is consistent with the Peninsula Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The Point Loma Wastewater Treatment Plant has six aerated grit removal tanks. Grit removal from influent flows was found to be more efficient when the two south grit tanks were not used. The plant is not achieving desirable grit removal because the existing grit processing equipment is unable to extract fine sand or silt. The grit accumulated downstream of the grit tanks reduces the efficiency of processing equipment and minimizes the biosolid treatment in the digesters.

**Schedule:** Design began in Fiscal Year 2001 and is scheduled to be completed in Fiscal Year 2014. Construction began in Fiscal Year 2006 and is scheduled to be completed in Fiscal Year 2014.

**Summary of Project Changes:** The total project cost decreased by \$6.1 million due to revised project requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn         | FY 2011          | FY 2011<br>Anticipated | FY 2012          | FY 2013           | FY 2014          | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|---------------------|---------|------------------|------------------|------------------|------------------------|------------------|-------------------|------------------|----------|----------|-----------|-------------------------|-------------------|
| METRO SEWER UTILITY | 700001  | 6,398,418        | 1,903,446        | 8,000,000        | 0                      | 7,635,584        | 12,784,934        | 3,827,104        | 0        | 0        | 0         | 0                       | 40,549,486        |
| <b>Total</b>        |         | <b>6,398,418</b> | <b>1,903,446</b> | <b>8,000,000</b> | <b>0</b>               | <b>7,635,584</b> | <b>12,784,934</b> | <b>3,827,104</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>40,549,486</b> |

## Public Utilities

### Bldg - MWWD - Treatment Plants

### SBWR Plant Demineralization Facility / S00310

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 8      | <b>Community Plan:</b> Tijuana River Valley |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wong, Pete      |
| <b>Duration:</b> 2006 - 2016    | 858-292-6475                                |
| <b>Improv Type:</b> Expansion   | pwong@sandiego.gov                          |

**Description:** This project provides for demineralization of reclaimed water. Phase I will construct a demineralization facility to provide 7.5 million gallons a day (MGD) of reclaimed water for conveyance to the users. Phase II will expand the facility to provide 15 mgd of reclaimed water.

**Schedule:** Phase I design began in Fiscal Year 2010 and is scheduled to be completed in Fiscal Year 2012. Phase I construction is scheduled to begin in Fiscal Year 2012 and be completed in Fiscal Year 2013. Phase II design is scheduled to begin in Fiscal Year 2014 and be completed in Fiscal Year 2014. Phase II construction is scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2016.

**Justification / Public Benefit:** The majority of reclaimed water is used for irrigation. Demineralization will reduce the level of total dissolved solids in the reclaimed water.

**Summary of Project Changes:** The total project cost decreased by \$9.9 million due to revised project requirements.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Tijuana River Valley Community Plan and is in conformance with the City's General Plan.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc      | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012          | FY 2013          | FY 2014          | FY 2015          | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|---------------------|---------|--------------|----------------|----------|------------------------|------------------|------------------|------------------|------------------|----------|-----------|-------------------------|-------------------|
| METRO SEWER UTILITY | 700001  | 1,817        | 621,022        | 0        | 0                      | 2,000,000        | 5,000,000        | 5,000,000        | 3,500,000        | 0        | 0         | 0                       | 16,122,839        |
| <b>Total</b>        |         | <b>1,817</b> | <b>621,022</b> | <b>0</b> | <b>0</b>               | <b>2,000,000</b> | <b>5,000,000</b> | <b>5,000,000</b> | <b>3,500,000</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>16,122,839</b> |

## Public Utilities

### Bldg - MWWD - Treatment Plants

### South Metro Sewer Rehabilitation Phase 3B / S00317

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Non City         |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Phung, Tung |
| <b>Duration:</b> 2003 - 2018    | 858-292-6425                            |
| <b>Improv Type:</b> Replacement | tphung@sandiego.gov                     |

**Description:** This project will rehabilitate the remaining 5,000 feet of the 108 inch pipeline from Winship Lane to Pump Station 2.

**Relationship to General and Community Plans:** This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** Sections of the South Metro Interceptor have deteriorated significantly due to the corrosive effects of sewer gases over 40 years.

**Schedule:** Design is scheduled to begin in Fiscal Year 2013 and is scheduled to be completed in Fiscal Year 2014. Construction is scheduled in Fiscal Year 2014.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016   | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|---------|----------|---------|------------------------|---------|---------|---------|---------|-----------|-----------|-------------------------|------------------|
| METRO SEWER UTILITY | 700001  | 0       | 157,506  | 0       | 0                      | 0       | 0       | 0       | 357,451 | 3,100,000 | 5,600,000 | 0                       | 9,214,957        |
| <b>Total</b>        |         |         | 157,506  | 0       | 0                      | 0       | 0       | 0       | 357,451 | 3,100,000 | 5,600,000 | 0                       | 9,214,957        |

## Public Utilities

### Bldg - Operations Facility / Structures

### CIP Contingencies / ABS00001

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann        |
| <b>Duration:</b>         | 2010 - 2010 |                             | 858-292-6476        |
| <b>Improv Type:</b>      | Betterment  |                             | ghwang@sandiego.gov |

**Description:** This project provides for the Water Fund's Potable Water Capital Improvements Program contingency needs.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will provide better CIP budget control. Project Contingency needs (except annual allocation projects) will be met by this annual allocation.

**Schedule:** This annual allocation will be closed in Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$7 million due to the project contingency being budgeted in the actual projects starting in Fiscal Year 2011. No future funding will occur in this annual allocation.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 5,371,351        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 5,371,351        |
| <b>Total</b>         |         |         | <b>5,371,351</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>5,371,351</b> |

## Public Utilities

### Bldg - Operations Facility / Structures

### Chollas Building / S11025

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Eastern Area (Mid-City) |
| <b>Project Status:</b> Created  | <b>Contact Information:</b> Haghhkah, Siavash  |
| <b>Duration:</b> 2011 - 2015    | 619-533-6682                                   |
| <b>Improv Type:</b> Replacement | shaghkhah@sandiego.gov                         |

**Description:** This project will construct two new buildings, one two-story building for administration staff and a one-story maintenance shop.

**Relationship to General and Community Plans:** This project is consistent with the Mid City: Eastern Area Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will allow for Water Operations Division to consolidate their staff in one central facility. The existing facility is not adequate for current needs.

**Schedule:** Design is scheduled to begin in Fiscal Year 2011 and to be completed in Fiscal Year 2013. Construction is scheduled to begin in Fiscal Year 2013.

**Operating Budget Impact:** None

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011   | FY 2011 Anticipated | FY 2012    | FY 2013   | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified Funding | Project Total |
|----------------------|---------|---------|----------|-----------|---------------------|------------|-----------|---------|---------|---------|-----------|----------------------|---------------|
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 2,000,000 | 0                   | 14,640,000 | 3,910,400 | 0       | 0       | 0       | 0         | 0                    | 20,550,400    |
| <b>Total</b>         |         |         | 0        | 2,000,000 | 0                   | 14,640,000 | 3,910,400 | 0       | 0       | 0       | 0         | 0                    | 20,550,400    |



## Public Utilities

### Bldg - Operations Facility / Structures

### Reclaimed Water Distrib. System CIP Contingencies / ABS00002

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide                   |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Casamassima, Jennifer |
| <b>Duration:</b> 2010 - 2010      | 619-533-7402                                      |
| <b>Improv Type:</b> Betterment    | jcasamassima@sandiego.gov                         |

**Description:** This annual allocation provides for the Water Fund's Reclaimed Water Capital Improvements Program project contingency needs.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** To provide better project budget control, reclaimed water project contingency needs (except for annual allocation projects) will be met by this annual allocation.

**Schedule:** This annual allocation will be closed in Fiscal Year 2011.

**Operating Budget Impact:** None

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$100,000 due to the project contingency being budgeted in the actual projects starting in Fiscal Year 2011. No future funding will occur in this annual allocation.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|---------|---------|---------|---------|---------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 400,000  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 400,000          |
| <b>Total</b>         |         |         | 400,000  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 400,000          |

## Public Utilities

### Bldg - Operations Facility / Structures

### Water Department Security Upgrades / S00050

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide           |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Azar, Hossein |
| <b>Duration:</b> 2001 - 2020      | 619-533-4102                              |
| <b>Improv Type:</b> Betterment    | hazar@sandiego.gov                        |

**Description:** This project provides for the design and installation of miscellaneous security systems at various facilities.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project provides deterrence, detection and apprehension of unauthorized personnel.

**Schedule:** Implementation began in Fiscal Year 2001 and will continue through Fiscal Year 2012.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn         | FY 2011          | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|-------------------|------------------|------------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 13,592,306        | 5,513,203        | 1,899,999        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 21,005,508        |
| <b>Total</b>         |         | <b>13,592,306</b> | <b>5,513,203</b> | <b>1,899,999</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>21,005,508</b> |

## Public Utilities

### Bldg - Other City Facility / Structures

### CIS ERP Implementation / S11100

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Arnold, Mike |
| <b>Duration:</b> 2010 - 2012      | 619-533-4661                             |
| <b>Improv Type:</b> Replacement   | marnold@sandiego.gov                     |

**Description:** This project provides for the establishment of an integrated, real-time enterprise customer service information and billing system.

**Operating Budget Impact:** None.

**Justification / Public Benefit:** The Customer Information System (CIS) Enterprise Resource Planning (ERP) Implementation is a strategic project for investment in, and support of, the Citywide SAP ERP System for the City of San Diego. The legacy CIS provides the water, sewer, storm drain, fire service, reclaimed water, backflow and associated meter customer billing information for the City. This project will replace the legacy CIS and Installation Order System (IOS).

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

**Schedule:** This project will begin in Fiscal Year 2011 and is scheduled to be completed in Fiscal Year 2012.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011    | FY 2011<br>Anticipated | FY 2012   | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|------------|------------------------|-----------|---------|---------|---------|---------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE   | 700000  | 0       | 0        | 7,318,316  | 0                      | 3,880,204 | 0       | 0       | 0       | 0       | 0         | 0                       | 11,198,520       |
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 7,318,316  | 0                      | 3,880,204 | 0       | 0       | 0       | 0       | 0         | 0                       | 11,198,520       |
| <b>Total</b>         |         |         | 0        | 14,636,632 | 0                      | 7,760,408 | 0       | 0       | 0       | 0       | 0         | 0                       | 22,397,040       |

## Public Utilities

### Bldg - Other City Facility / Structures

### MOC Building / S11023

|                                |  |
|--------------------------------|--|
| <b>Council District:</b> 6     | <b>Community Plan:</b> Kearny Mesa         |
| <b>Project Status:</b> Created | <b>Contact Information:</b> Partow, Hooman |
| <b>Duration:</b> 2011 - 2011   | 858-654-4284                               |
| <b>Improv Type:</b> Expansion  | hpartow@sandiego.gov                       |

**Description:** This project will purchase a 15,000 square foot facility at 9176 Kearny Villa Court near the Metropolitan Operation Center (MOC) from the private sector.

**Relationship to General and Community Plans:** This project is consistent with the Kearny Mesa Community Plan, and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The current Metropolitan Operation Center complex is near capacity. The purchase of the new Metropolitan Operation Center complex is needed in order to accommodate 150 additional personnel transferring from the 600 B Street facility as a result of the Public Utilities Consolidation.

**Schedule:** Purchase the new MOC building in Fiscal Year 2011 and start the design in Fiscal Year 2012.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011   | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|-----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 3,000,000 | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 3,000,000        |
| <b>Total</b>         |         |         |          | <b>0</b>  | <b>3,000,000</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>3,000,000</b> |

## Public Utilities

### Bldg - Water - Laboratories

### Advanced Water Treatment Demo Plant (IPR/RA) / S10127

|                          |             |                             |                       |
|--------------------------|-------------|-----------------------------|-----------------------|
| <b>Council District:</b> | 1           | <b>Community Plan:</b>      | North University City |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | George, Adrian        |
| <b>Duration:</b>         | 2010 - 2013 |                             | 619-533-4680          |
| <b>Improv Type:</b>      | New         |                             | gadrian@sandiego.gov  |

**Description:** This project explores the feasibility of the project's treatment technology to produce water that can be sent to a reservoir and later be distributed as drinking water. During the time the Demonstration Project is in operation, the advanced treated water will be frequently tested to determine the effectiveness of the treatment equipment in removing contaminants; operational data will be gathered and analyzed to refine operation and maintenance estimates for a full scale system; and tours will be conducted as part of the public outreach effort. The Demonstration Project is the second phase of a three phase program that could lead to implementation of a full-scale IPR/RA project.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is consistent with the University Community Plan, and is in conformance with the City's General Plan.

**Schedule:** Design, procurement and installation will be done in Fiscal Year 2011.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Justification / Public Benefit:** A rate increase to fund the Demonstration Project was approved on November 18, 2008, and went into effect on January 1, 2009. This project was established by Ordinance-19887 Section IV-A, with an initial budget of \$7.2 million.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn         | FY 2011  | FY 2011 Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total    |
|----------------------|---------|----------------|------------------|----------|---------------------|----------|----------|----------|----------|----------|-----------|----------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 392,870        | 6,807,130        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 7,200,000        |
| <b>Total</b>         |         | <b>392,870</b> | <b>6,807,130</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>7,200,000</b> |

## Public Utilities

### Bldg - Water - Laboratories

### Alvarado Water Quality Lab Roof Replacement / S00047

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Navajo           |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Meda, Jesus |
| <b>Duration:</b> 2008 - 2010    | 619-527-3156                            |
| <b>Improv Type:</b> Replacement | jmeda@sandiego.gov                      |

**Description:** This project provided for the removal and replacement of approximately 58,000 square feet of roofing, installation of California Title 24 roof coating, the removal and installation of HVAC ductwork at the water chemistry and industrial waste unit offices and the installation of miscellaneous sheet metal and flashings.

**Relationship to General and Community Plans:** This project is consistent with the Mission Trails Regional Park and the Navajo Community Plans. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** These improvements were needed to repair a leaking and deteriorated roofing system.

**Schedule:** The project is complete and awaiting closure and capitalization.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|---------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 175,755        | 21,751        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 197,506          |
| <b>Total</b>         |         | <b>175,755</b> | <b>21,751</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>197,506</b>   |

## Public Utilities

### Bldg - Water - Pump Stations

### Rancho Penasquitos Water Pump Station #2 / S00043

|                          |             |                             |                               |
|--------------------------|-------------|-----------------------------|-------------------------------|
| <b>Council District:</b> | 1, 5        | <b>Community Plan:</b>      | Mira Mesa, Rancho Penasquitos |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Azar, Hossein                 |
| <b>Duration:</b>         | 1999 - 2011 |                             | 619-533-4102                  |
| <b>Improv Type:</b>      | Expansion   |                             | hazar@sandiego.gov            |

**Description:** This project provides for the construction of a new water pump station and a new pressure reducing station in Rancho Penasquitos.

**Relationship to General and Community Plans:** This project is consistent with the Mira Mesa and Rancho Penasquitos Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This pump station is required to deliver treated water from the Miramar Water Treatment Plant to the service area of Rancho Bernardo and most of Rancho Penasquitos and Del Mar; and will include Black Mountain Ranch development. This delivery of Miramar Water Treatment Plant water will reduce dependency on imported filtered water and will support future development and growth.

**Schedule:** The planning phase started in Fiscal Year 2001. The project was then put on hold until funding could be identified. Presently, the project is in construction under a Design-Build delivery process. The Design-Build project started in Fiscal Year 2008 and is scheduled to be completed in Fiscal Year 2010.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|-------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 12,329,846        | 1,471,259        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 13,801,105        |
| <b>Total</b>         |         | <b>12,329,846</b> | <b>1,471,259</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>13,801,105</b> |

## Public Utilities

### Bldg - Water - Pump Stations

### San Diego 17 Flow Control Facility / S00038

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Navajo              |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Partow, Hooman |
| <b>Duration:</b> 1999 - 2012    | 858-654-4284                               |
| <b>Improv Type:</b> Expansion   | tvarga@sandiego.gov                        |

**Description:** This project provides for the installation of a new flow control facility and a water pump station at the Alvarado Water Treatment Plant to pump potable water into the County Water Authority's pipeline.

**Relationship to General and Community Plans:** This project is consistent with the Navajo Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This pump station will supply the Mid-City Pipeline project, serving the College Area and Mid-City communities.

**Schedule:** This project has been abandoned and closed in Fiscal Year 2010.

**Operating Budget Impact:** None

**Summary of Project Changes:** This project was abandoned and will be closed in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 1,658,438        | 8,813,226        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 10,471,664        |
| <b>Total</b>         |         | <b>1,658,438</b> | <b>8,813,226</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>10,471,664</b> |



## Public Utilities

### Bldg - Water - Pump Stations

### Water Pump Station Restoration / ABJ00001

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann        |
| <b>Duration:</b>         | 2010 - 2021 |                             | 858-292-6476        |
| <b>Improv Type:</b>      | Replacement |                             | ghwang@sandiego.gov |

**Description:** This annual allocation provides for replacing deteriorated pumping equipment and appurtenances or expanding pumping capacities to meet present and future water demands.

**Justification / Public Benefit:** Many existing water pump stations have reached or exceeded their anticipated service life or demands have exceeded their maximum pumping capacity. However, because of the widely varying actual lengths of service life, scheduling for pump station restoration is difficult.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Projects will be scheduled on a priority basis. Design for the Tierrasanta (Via Dominique) Pump Station and Design/Build for the Scripps Miramar Pump Station are scheduled to begin in Fiscal Year 2011. Planning is scheduled to begin in Fiscal Year 2011 for the Montezuma, College Ranch Hydro, and Climax Pump Stations.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$7.3 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc       | Con Appn       | FY 2011          | FY 2011<br>Anticipated | FY 2012          | FY 2013           | FY 2014          | FY 2015          | FY 2016        | Future FY      | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|---------------|----------------|------------------|------------------------|------------------|-------------------|------------------|------------------|----------------|----------------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 93,834        | 374,599        | 7,715,484        | 0                      | 2,866,535        | 11,131,025        | 8,607,060        | 1,652,092        | 500,000        | 500,000        | 0                       | 33,440,629        |
| <b>Total</b>         |         | <b>93,834</b> | <b>374,599</b> | <b>7,715,484</b> | <b>0</b>               | <b>2,866,535</b> | <b>11,131,025</b> | <b>8,607,060</b> | <b>1,652,092</b> | <b>500,000</b> | <b>500,000</b> | <b>0</b>                | <b>33,440,629</b> |

## Public Utilities

### Bldg - Water - Reservoirs/Dams

### Barrett Flume Cover / S10013

|                          |             |                             |                      |
|--------------------------|-------------|-----------------------------|----------------------|
| <b>Council District:</b> | Non-city    | <b>Community Plan:</b>      | Non City             |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Partow, Hooman       |
| <b>Duration:</b>         | 2010 - 2014 |                             | 858-654-4284         |
| <b>Improv Type:</b>      | Betterment  |                             | hpartow@sandiego.gov |

**Description:** This project will provide a covering for the 10 to 12 mile open channel delivering water from the Barrett Reservoir to the Lower Otay Reservoir

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** Each year golden eagles, deer, and other wildlife drown in the open channel sections of the Barrett Flume. There is also an excessive maintenance burden to keep soil and sediment out. Additionally, there is a slight algae build up due to sunlight. Covering the open flume sections is necessary to prevent fines and sanctions from the resource agencies, to maintain water quality, and to reduce maintenance and down time.

**Schedule:** Planning began in Fiscal Year 2010. Design is scheduled to begin in Fiscal Year 2011. Construction is estimated to begin in Fiscal Year 2013 and end in Fiscal Year 2014.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014   | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|---------|---------|-----------|---------|---------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 100,000  | 0       | 0                      | 91,167  | 397,222 | 5,271,157 | 0       | 0       | 0         | 0                       | 5,859,546        |
| <b>Total</b>         |         |         | 100,000  | 0       | 0                      | 91,167  | 397,222 | 5,271,157 | 0       | 0       | 0         | 0                       | 5,859,546        |

## Public Utilities

### Bldg - Water - Reservoirs/Dams

### Barrett Reservoir Outlet Tower Upgrade / S00039

|                          |             |                             |                           |
|--------------------------|-------------|-----------------------------|---------------------------|
| <b>Council District:</b> | Non-city    | <b>Community Plan:</b>      | Non City                  |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Asgharzadeh, Iraj         |
| <b>Duration:</b>         | 2001 - 2010 |                             | 619-533-5105              |
| <b>Improv Type:</b>      | Betterment  |                             | iasgharzadeh@sandiego.gov |

**Description:** This project provides for upgrades to the electrical and operating systems and the replacement of outlet tower ladders, valves and platforms to the Barrett Reservoir Outlet Tower.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** The aging outlet tower components are in need of replacement for safety and ease of operation. The electrical and operating systems need to be upgraded to meet current standards and provide better control, safety and accessibility.

**Schedule:** The project is complete and awaiting closure and capitalization.

**Summary of Project Changes:** This project has been completed and will be closed in Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 2,622,733        | 1,365,459        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 3,988,193        |
| <b>Total</b>         |         | <b>2,622,733</b> | <b>1,365,459</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>3,988,193</b> |

## Public Utilities

### Bldg - Water - Reservoirs/Dams

### Dams and Reservoirs / ABK00001

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann        |
| <b>Duration:</b>         | 2010 - 2021 |                             | 858-292-6476        |
| <b>Improv Type:</b>      | Replacement |                             | ghwang@sandiego.gov |

**Description:** This annual allocation provides for rehabilitating and reconstructing improvement projects at reservoirs and dams. Projects include resurfacing access roads, reconstructing berms, installing lighting around dams, and sandblasting and shotcreting all exposed surfaces of the dams.

**Justification / Public Benefit:** The rehabilitation and reconstruction of access roads and the upgrading of berms, lighting, and all exposed surfaces of the dams are necessary to maintain access to and safety in the dam area. The State required improvements will also serve to satisfy a portion of the Division of Safety of Dams.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is in compliance consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Modifications to Lake Hodges Dam scheduled in Fiscal Year 2010 have been deferred. The Emergency Storage Project-San Vicente Reservoir Marina project was started in Fiscal Year 2009 and will be completed in Fiscal Year 2013.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$691,014 due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc       | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012        | FY 2013        | FY 2014        | FY 2015        | FY 2016        | Future FY      | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------------|----------------|----------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 11,228        | 929,787        | 0        | 0                      | 250,000        | 250,000        | 250,000        | 298,930        | 389,761        | 282,755        | 0                       | 2,662,461        |
| <b>Total</b>         |         | <b>11,228</b> | <b>929,787</b> | <b>0</b> | <b>0</b>               | <b>250,000</b> | <b>250,000</b> | <b>250,000</b> | <b>298,930</b> | <b>389,761</b> | <b>282,755</b> | <b>0</b>                | <b>2,662,461</b> |

## Public Utilities

### Bldg - Water - Reservoirs/Dams

### El Capitan Reservoir Road Improvements / S00040

|                          |             |                             |                      |
|--------------------------|-------------|-----------------------------|----------------------|
| <b>Council District:</b> | Non-city    | <b>Community Plan:</b>      | Non City             |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Dorman, Amy          |
| <b>Duration:</b>         | 1999 - 2016 |                             | 619-533-5248         |
| <b>Improv Type:</b>      | Replacement |                             | adorman@sandiego.gov |

**Description:** This project provides for repairing and widening the access road to El Capitan Reservoir.

**Justification / Public Benefit:** The existing access road is narrow and has become a safety concern due to rain induced sloughing. Widening the road will improve accessibility to the reservoir, accommodate the recreation activities, and assist maintenance efforts for the reservoir.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2000 and was completed in Fiscal Year 2001. Construction has been re-scheduled to begin in Fiscal Year 2014 and scheduled to be completed in Fiscal Year 2016.

**Summary of Project Changes:** Total project cost decreased by \$1.3 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012      | FY 2013       | FY 2014       | FY 2015        | FY 2016          | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|---------------|----------|------------------------|--------------|---------------|---------------|----------------|------------------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 426,601        | 89,564        | 0        | 0                      | 1,141        | 92,002        | 83,547        | 103,163        | 1,837,678        | 0         | 0                       | 2,633,696        |
| <b>Total</b>         |         | <b>426,601</b> | <b>89,564</b> | <b>0</b> | <b>0</b>               | <b>1,141</b> | <b>92,002</b> | <b>83,547</b> | <b>103,163</b> | <b>1,837,678</b> | <b>0</b>  | <b>0</b>                | <b>2,633,696</b> |

## Public Utilities

### Bldg - Water - Reservoirs/Dams

### Lower Otay Reservoir Emergency Outlet Improvements / S00044

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Non-city | <b>Community Plan:</b> Non City           |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Azar, Hossein |
| <b>Duration:</b> 2001 - 2015      | 619-533-4102                              |
| <b>Improv Type:</b> Betterment    | hazar@sandiego.gov                        |

**Description:** This project provides for the installation of two sluice gates on the auxiliary spillway to improve draw-down capacity.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** The State Department of Safety of Dams requires an emergency draw-down capability of 10 percent of reservoir capacity in 10 days. Lower Otay Reservoir (backed up by Savage Dam) requires 56 days for 10 percent draw-down in order to prevent a risk of dam failure.

**Schedule:** Design began in Fiscal Year 2001 and was completed in Fiscal Year 2010. Construction is scheduled to begin in Fiscal Year 2011 and to be completed in Fiscal Year 2012.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 576,119        | 4,805,309        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 5,381,428        |
| <b>Total</b>         |         | <b>576,119</b> | <b>4,805,309</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>5,381,428</b> |

## Public Utilities

### Bldg - Water - Reservoirs/Dams

### Morena Reservoir Outlet Tower Upgrade / S00041

|                          |             |                             |                      |
|--------------------------|-------------|-----------------------------|----------------------|
| <b>Council District:</b> | Non-city    | <b>Community Plan:</b>      | Non City             |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Dorman, Amy          |
| <b>Duration:</b>         | 2001 - 2017 |                             | 619-533-5248         |
| <b>Improv Type:</b>      | Betterment  |                             | adorman@sandiego.gov |

**Description:** This project upgrades the outlet tower to meet seismic requirements, replaces the electrical system and outlet tower piping, interior and exterior valves, and platforms. It will add a 100-foot long, six-foot wide pedestrian bridge from the dam to the outlet tower.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** The aging outlet tower components are in need of replacement for safety and ease of operation. Furthermore, the electrical system needs to be upgraded to meet current standards, provide better control, and provide safety and better accessibility.

**Schedule:** Project will be re-activated in Fiscal Year 2016.

**Summary of Project Changes:** No significant change has been made for Fiscal Year 2011.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016          | Future FY      | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|---------------|----------|------------------------|----------|----------|----------|----------|------------------|----------------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 452,695        | 15,338        | 0        | 0                      | 0        | 0        | 0        | 0        | 5,669,154        | 129,782        | 0                       | 6,266,969        |
| <b>Total</b>         |         | <b>452,695</b> | <b>15,338</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>5,669,154</b> | <b>129,782</b> | <b>0</b>                | <b>6,266,969</b> |

## Public Utilities

### Bldg - Water - Reservoirs/Dams

### Rancho Bernardo Reservoir Rehabilitation / S00042

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 5      | <b>Community Plan:</b> Rancho Bernardo        |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Haghhkah, Siavash |
| <b>Duration:</b> 2000 - 2010    | 619-533-6682                                  |
| <b>Improv Type:</b> Replacement | shaghkhah@sandiego.gov                        |

**Description:** This project rehabilitates the existing ten million gallon concrete reservoir to better meet operational needs and seismic codes.

**Relationship to General and Community Plans:** This project is consistent with the Rancho Bernardo Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This rehabilitation project will extend the service life of the existing reservoir and reduce the maintenance required to keep it in safe operating condition.

**Schedule:** Design began in Fiscal Year 2000 and was completed in Fiscal Year 2007. Construction began in Fiscal Year 2008 and was completed in Fiscal Year 2009. The project is complete and awaiting closure and capitalization.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 8,713,519        | 388,252        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 9,101,771        |
| <b>Total</b>         |         | <b>8,713,519</b> | <b>388,252</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>9,101,771</b> |



## Public Utilities

### Bldg - Water - Standpipes

### Miramar Clearwell Improvements / S11024

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 5      | <b>Community Plan:</b> Scripps Miramar Ranch |
| <b>Project Status:</b> Created  | <b>Contact Information:</b> Partow, Hooman   |
| <b>Duration:</b> 2011 - 2016    | 858-654-4284                                 |
| <b>Improv Type:</b> Replacement | tvarga@sandiego.gov                          |

**Description:** This project will construct two new clearwells just west of the Miramar Water Treatment Plant. Capacity will be determined by the planning study.

**Relationship to General and Community Plans:** This project is consistent with the Scripps Miramar Ranch Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will replace the existing clearwells at Miramar Water Treatment Plant. The existing clearwells were determined to have significant structural issues and do not have adequate storage to meet operational needs and future demand.

**Schedule:** Design is scheduled to begin in Fiscal Year 2011 and to be completed in Fiscal Year 2013. Construction is scheduled to begin in Fiscal Year 2013.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011   | FY 2011<br>Anticipated | FY 2012 | FY 2013   | FY 2014 | FY 2015   | FY 2016 | Future FY  | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|-----------|------------------------|---------|-----------|---------|-----------|---------|------------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 3,640,000 | 0                      | 0       | 5,200,000 | 0       | 1,958,840 | 0       | 76,941,486 | 0                       | 87,740,326       |
| <b>Total</b>         |         |         | 0        | 3,640,000 | 0                      | 0       | 5,200,000 | 0       | 1,958,840 | 0       | 76,941,486 | 0                       | 87,740,326       |

## Public Utilities

### Bldg - Water - Standpipes

### Standpipe and Reservoir Rehabilitations / ABL00001

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2021      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for reconstructing standpipes and reservoirs to improve operations and extend their useful life.

**Justification / Public Benefit:** Many existing standpipes and reservoirs in the water system have deteriorated to a point where they must be reconstructed or replaced to meet the current Occupational Safety and Health Act and Environmental Protection Agency safety and water quality standards.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is in compliance with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Projects are scheduled on a priority basis. Construction of the San Carlos Reservoir Interior Enhancement project is anticipated for completion in Fiscal Year 2011. Planning for the Catalina Standpipe project has been completed and is anticipated to move forward in Fiscal Year 2011. Pomerado Park Reservoir has been placed on hold. The new project for Fiscal Year 2011 is La Jolla View Reservoir.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$2.4 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn         | FY 2011       | FY 2011<br>Anticipated | FY 2012          | FY 2013          | FY 2014          | FY 2015          | FY 2016        | Future FY      | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|----------------|------------------|---------------|------------------------|------------------|------------------|------------------|------------------|----------------|----------------|-------------------------|-------------------|
| MUNI SEWER REVENUE   | 700000  | (288)          | 288              | 0             | 0                      | 0                | 0                | 0                | 0                | 0              | 0              | 0                       | 0                 |
| WATER UTILITY OPERAT | 700011  | 538,503        | 2,991,962        | 96,056        | 0                      | 3,129,284        | 1,000,880        | 7,805,281        | 3,430,858        | 524,624        | 500,000        | 0                       | 20,017,448        |
| <b>Total</b>         |         | <b>538,216</b> | <b>2,992,249</b> | <b>96,056</b> | <b>0</b>               | <b>3,129,284</b> | <b>1,000,880</b> | <b>7,805,281</b> | <b>3,430,858</b> | <b>524,624</b> | <b>500,000</b> | <b>0</b>                | <b>20,017,448</b> |

## Public Utilities

### Bldg - Water - Treatment Plants

### Alvarado Water Treatment Plant Upgrade & Expansion / S00021

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Navajo                 |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Asgharzadeh, Iraj |
| <b>Duration:</b> 1999 - 2013    | 619-533-5105                                  |
| <b>Improv Type:</b> Expansion   | iasgharzadeh@sandiego.gov                     |

**Description:** This project increases the treatment capacity of the Alvarado Water Treatment Plant from 150 million gallons of water per day (mgd) to 200 mgd and upgrades the existing treatment plant facilities to replace aged equipment to comply with new drinking water regulations. This project is split into multiple construction projects and will be phase funded. The major project components consist of the construction of two new sedimentation basins, the rehabilitation of existing 1950's-era sedimentation basins, the rehabilitation of the mechanical equipment and controls on the filters, ozone generation, and treatment facilities. Various site and landscaping improvements will also be made.

**Justification / Public Benefit:** The Safe Drinking Water Act, Environmental Protection Agency regulations, and a Department of Public Health Compliance Order dictate the need to upgrade the treatment plant process and equipment. Anticipated future demands within the Alvarado Water Service Area also require the plant to be expanded to 200 mgd, allowing for better utilization of the raw water storage in the San Vicente and El Capitan Reservoirs.

**Operating Budget Impact:** The upgrade from chlorine to ozone, as the primary disinfectant, will have a significant impact on the electrical and chemical consumption of the plant (an increase of approximately of \$1.6 million annually at completion). The increase in treated water capacity and the technical aspect of the equipment will also impact the cost for maintaining and operating the plant.

**Relationship to General and Community Plans:** This project is consistent with the Navajo Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 1999 and has continued through subsequent phases of work. Construction began on the initial phase of work in Fiscal Year 2004 and is scheduled to be completed in Fiscal Year 2013.

**Summary of Project Changes:** The total project cost increased by \$2.9 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc            | Con Appn          | FY 2011  | FY 2011<br>Anticipated | FY 2012          | FY 2013          | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total   |
|----------------------|---------|--------------------|-------------------|----------|------------------------|------------------|------------------|----------|----------|----------|-----------|-------------------------|--------------------|
| WATER UTILITY OPERAT | 700011  | 128,871,510        | 22,280,803        | 0        | 0                      | 5,000,000        | 3,000,000        | 0        | 0        | 0        | 0         | 0                       | 159,152,313        |
| <b>Total</b>         |         | <b>128,871,510</b> | <b>22,280,803</b> | <b>0</b> | <b>0</b>               | <b>5,000,000</b> | <b>3,000,000</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>159,152,313</b> |

## Public Utilities

### Bldg - Water - Treatment Plants

### Fluoridation Facilities / S00074

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 5, 7   | <b>Community Plan:</b> Navajo, Scripps Miramar Ranch, Non City |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Asgharzadeh, Iraj                  |
| <b>Duration:</b> 2009 - 2011    | 619-533-5105   |
| <b>Improv Type:</b> Betterment  | iasgharzadeh@sandiego.gov                                      |

**Description:** This project consists of installing fluoridation equipment at each of the City of San Diego Water Treatment Plants.

**Justification / Public Benefit:** The State of California Assembly Bill No. 733 requires Public Water Systems with more than 10,000 service connections to fluoridate their drinking water.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Mission Trails Regional Park Master Plan, the Navajo and Scripps Miramar Ranch Community Plans, and is in conformance with the City's General Plan.

**Schedule:** On May 13, 2008, CDPH notified the City to install equipment and reliability features necessary to provide fluoridation within two years, before May 2010. This a Design Build project, design and construction started Fiscal Year 2010 and construction will end Fiscal Year 2011.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 2,819,162        | 407,854        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 3,227,016        |
| <b>Total</b>         |         | <b>2,819,162</b> | <b>407,854</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>3,227,016</b> |

## Public Utilities

### Bldg - Water - Treatment Plants

### Miramar Water Treatment Plant Upgrade & Expansion / S00024

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 5      | <b>Community Plan:</b> Scripps Miramar Ranch  |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Asgharzadeh, Iraj |
| <b>Duration:</b> 1993 - 2013    | 619-533-5105                                  |
| <b>Improv Type:</b> Expansion   | iasgharzadeh@sandiego.gov                     |

**Description:** This project provides for upgrades to and expansion of the Miramar Water Treatment Plant, including construction of state-of-the-art filters, rapid mix and de-aeration facilities, chlorine and chemical facilities, four flocculation and sedimentation basins, an ozone structure with generation equipment, site paving, landscaping, and an administration building.

**Justification / Public Benefit:** The Safe Drinking Water Act, mandated by the Environmental Protection Agency and the Department of Public Health, dictates the need to upgrade the existing treatment plant. Increasing demands on the plant by the rapidly growing North City area also necessitate its expansion.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Scripps Miramar Ranch Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 1997 and will continue through subsequent phases of work. Construction began on the initial phase of work in Fiscal Year 2001 and is scheduled to be completed in Fiscal Year 2012.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc            | Con Appn          | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total   |
|----------------------|---------|--------------------|-------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|--------------------|
| WATER UTILITY OPERAT | 700011  | 223,697,332        | 25,514,065        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 249,211,397        |
| <b>Total</b>         |         | <b>223,697,332</b> | <b>25,514,065</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>249,211,397</b> |

## Public Utilities

### Bldg - Water - Treatment Plants

### Otay Water Treatment Plant Upgrade & Expansion / S00030

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Non-city | <b>Community Plan:</b> Non City               |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Asgharzadeh, Iraj |
| <b>Duration:</b> 1993 - 2012      | 619-533-5105                                  |
| <b>Improv Type:</b> Expansion     | iasgharzadeh@sandiego.gov                     |

**Description:** This project provides for upgrading the treatment processes at the Otay Water Treatment Plant to comply with the Safe Drinking Water Act standards. The Safe Drinking Water Act is a federal act, enforced by the State of California.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** New standards required by the Safe Drinking Water Act dictate the need to upgrade the existing water treatment plant standards.

**Schedule:** Design began in Fiscal Year 2001 and will continue through subsequent phases of work. Construction began on the initial phase in Fiscal Year 2008 and is scheduled to be completed in Fiscal Year 2011. New phase for Fiscal Year 2011: The Otay Water Treatment Plant Concrete Work.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn         | FY 2011          | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|-------------------|------------------|------------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 40,332,309        | 2,576,208        | 1,040,000        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 43,948,517        |
| <b>Total</b>         |         | <b>40,332,309</b> | <b>2,576,208</b> | <b>1,040,000</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>43,948,517</b> |

## Public Utilities

### Bldg - Water - Wells

### Groundwater Asset Development / ABM00001

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide            |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Adrian, George |
| <b>Duration:</b> 2010 - 2021      | 619-533-4680                               |
| <b>Improv Type:</b> Replacement   | gadrian@sandiego.gov                       |

**Description:** This project provides for investigation work related to legal, technical, regulatory, and water quality issues; and for the planning, design, and construction of groundwater facilities to increase the local water supply.

**Relationship to General and Community Plans:** This project is in compliance with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The City imports 90 percent of its water from the Colorado River and the State Water Project. The City has access to nine under-utilized groundwater assets that could be developed to supply new yield, seasonal storage or carryover storage.

**Schedule:** Research, exploration and demonstration began in Fiscal Year 2001 and will continue through Fiscal Year 2011. Design and construction of sub-projects identified in the research/exploration/demonstration phase are anticipated to begin in Fiscal Year 2010 and continue through Fiscal Year 2019 and beyond.

**Operating Budget Impact:** None

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$1.8 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011 Anticipated | FY 2012        | FY 2013        | FY 2014          | FY 2015        | FY 2016           | Future FY         | Unidentified Funding | Project Total     |
|----------------------|---------|------------------|------------------|----------|---------------------|----------------|----------------|------------------|----------------|-------------------|-------------------|----------------------|-------------------|
| GRANT FUND-ENT-STATE | 710001  | 0                | 190,463          | 0        | 0                   | 0              | 0              | 0                | 0              | 0                 | 0                 | 0                    | 190,463           |
| WATER UTILITY OPERAT | 700011  | 8,926,622        | 4,218,437        | 0        | 0                   | 250,000        | 250,000        | 6,301,662        | 250,000        | 10,137,859        | 12,337,042        | 0                    | 42,671,623        |
| <b>Total</b>         |         | <b>8,926,622</b> | <b>4,408,900</b> | <b>0</b> | <b>0</b>            | <b>250,000</b> | <b>250,000</b> | <b>6,301,662</b> | <b>250,000</b> | <b>10,137,859</b> | <b>12,337,042</b> | <b>0</b>             | <b>42,862,085</b> |

## Public Utilities

### Reclaimed Water System - Pipelines

### North City Reclamation System / AHC00002

|                          |             |                             |                            |
|--------------------------|-------------|-----------------------------|----------------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide                   |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Casamassima, Jennifer      |
| <b>Duration:</b>         | 2010 - 2020 |                             | 619-533-7402               |
| <b>Improv Type:</b>      | Expansion   |                             | jcasamassima@sanidiego.gov |

**Description:** The Northern Service Area recycled water system expansion is identified as Phase II in the 2000 and 2005 Recycled Water Master Plans and will be served by the North City Water Reclamation Plant. Once all the components of Phase II are completed, recycled water service will extend from Black Mountain Road west, along the I-56 corridor, to Carmel Valley. Portions of the recycled water pipeline expansion have been completed; bringing service to Olivenhain Municipal Water district and the communities of Black Mountain Ranch and Santa Luz. Transmission/distribution pipelines are planned in Carmel Valley, Pacific Highlands, Los Penasquitos Canyon and Camino Del Sur. State Proposition 50 (Integrated Regional Water Management Plan) and Bureau of Reclamation Title 16 Grant funds are anticipated for this project.

**Justification / Public Benefit:** Recycled water pipelines have been constructed by private developers or Caltrans. The City needs to construct the gaps to complete the system and start delivering recycled water. The City also needs to expand the distribution system to customers already retrofitted to use recycled water.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Planning, design and construction began in Fiscal Year 2001 and is currently scheduled for completion in Fiscal Year 2015.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$9.4 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn          | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014        | FY 2015          | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|------------------|-------------------|----------|------------------------|----------|----------|----------------|------------------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 9,939,071        | 20,871,676        | 0        | 0                      | 0        | 0        | 335,277        | 1,724,334        | 0        | 0         | 0                       | 32,870,358        |
| <b>Total</b>         |         | <b>9,939,071</b> | <b>20,871,676</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>335,277</b> | <b>1,724,334</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>32,870,358</b> |



## Public Utilities

### Reclaimed Water System - Pipelines

### Reclaimed Water Extension / AHC00001

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide                   |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Casamassima, Jennifer |
| <b>Duration:</b> 2010 - 2020      | 619-533-7402                                      |
| <b>Improv Type:</b> Expansion     | jcasamassima@sandiego.gov                         |

**Description:** This annual allocation provides for pipeline extensions of the City's Recycled Water Distribution System to serve potential customers adjacent or in close proximity to the existing system.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project provides recycled water to customers served by the pipeline extensions.

**Schedule:** Projects will be scheduled on a priority basis. Planned projects over the course of the next five (5) years are currently being evaluated.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$3.2 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012        | FY 2013        | FY 2014        | FY 2015        | FY 2016        | Future FY      | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|------------------|----------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 336,462        | 4,513,288        | 0        | 0                      | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 0                       | 7,849,750        |
| <b>Total</b>         |         | <b>336,462</b> | <b>4,513,288</b> | <b>0</b> | <b>0</b>               | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>500,000</b> | <b>0</b>                | <b>7,849,750</b> |

## Public Utilities

### Reclaimed Water System - Pipelines

### Reclaimed Water Retrofit / AHC00003

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide                   |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Casamassima, Jennifer |
| <b>Duration:</b> 2010 - 2020      | 619-533-7402                                      |
| <b>Improv Type:</b> Expansion     | jcasamassima@sandiego.gov                         |

**Description:** This annual allocation provides for supplying reclaimed water customers with the proper connections and metering for the new reclaimed water distribution system.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The City of San Diego has embarked on an aggressive water reclamation program to provide reclaimed water to large users of potable water for irrigation purposes. This will allow the City to increase its available potable water to serve new potential customers.

**Schedule:** No new projects are planned in Fiscal Year 2011 and beyond.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 1,393,078        | 1,006,082        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 2,399,160        |
| <b>Total</b>         |         | <b>1,393,078</b> | <b>1,006,082</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>2,399,160</b> |

## Public Utilities

### Reclaimed Water System - Pipelines

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Phung, Tung         |
| <b>Duration:</b>         | 2010 - 2012 |                             | 858-654-4284        |
| <b>Improv Type:</b>      | Betterment  |                             | tvarga@sandiego.gov |

**Description:** This project is needed to ensure that spills from the recycled water system flow into the sewer rather than the storm water system. This project would include 14 Pressure Reducing Station vaults to be retro-fitted to divert the drainage inside the vault from the storm drain to the sewer system, as required by Regional Water Quality Control Board.

**Justification / Public Benefit:** This project is needed to comply with the latest regulatory requirements that recycled water be drained to the sewer system rather than the storm drain system when emergency spills or main breaks occur inside the vaults.

**Operating Budget Impact:** None.

### Recycled Water System Upgrades / S10010

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Design and construction began in Fiscal Year 2010 and construction is to be completed in Fiscal Year 2012.

**Summary of Project Changes:** The total project cost increased by \$281,914 due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc       | Con Appn       | FY 2011        | FY 2011<br>Anticipated | FY 2012       | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------------|----------------|----------------|------------------------|---------------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 37,068        | 662,932        | 250,000        | 0                      | 31,914        | 0        | 0        | 0        | 0        | 0         | 0                       | 981,914          |
| <b>Total</b>         |         | <b>37,068</b> | <b>662,932</b> | <b>250,000</b> | <b>0</b>               | <b>31,914</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>981,914</b>   |

## Public Utilities

### Reclaimed Water System - Pipelines

### South Bay Reclamation System / S00018

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 8      | <b>Community Plan:</b> San Ysidro, Tijuana River Valley |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Casamassima, Jennifer       |
| <b>Duration:</b> 2002 - 2010    | 619-533-7402  |
| <b>Improv Type:</b> Expansion   | jcasamassima@sandiego.gov                               |

**Description:** This project acquires a pipeline that was installed by the Metropolitan Wastewater Department at Dairy Mart Road. It is approximately 4,145 linear feet of 30" diameter, ductile iron pipe, polyurethane lined and coated. A cathodic protection system is in place on this project. Subsequently, additional sub-projects will be created to form a distribution system for reclaimed water produced at the South Bay Water Reclamation Plant.

**Relationship to General and Community Plans:** This project is consistent with the San Ysidro and Tijuana River Valley Community Plans, and is in conformance with the City's General Plan.

**Schedule:** All pipelines for this project have been completed and will be closed by the end of the fiscal year. The final phase consists of the installation of a mag-meter assembly to facilitate recycled water billings to the Otay Water District.

**Justification / Public Benefit:** One of the requirements of the Ocean Pollution Reduction Act Consent Decree Agreement between the City, the State of California and the Environmental Protection Agency is the Beneficial reuse of Title 22 reclaimed water.

**Summary of Project Changes:** There is no significant change to the project in Fiscal Year 2011. The total project expenditures do not include projects which closed prior to conversion to SAP.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|---------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 1,271,902        | 77,232        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 1,349,134        |
| <b>Total</b>         |         | <b>1,271,902</b> | <b>77,232</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>1,349,134</b> |

## Public Utilities

### Wastewater - Collection Sys - Main

### Pipeline Rehabilitation / AJA00002

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2020      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for the rehabilitation and repair of deteriorated sewers and manholes at various locations within the City limits.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This annual allocation provides for the extension of the useful life of sewers and manholes, improvements in the level of service to the residents of San Diego, and compliance with regulatory agencies' standards by reducing the impact of sewer spills.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$27.5 million due to revised project requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn          | FY 2011          | FY 2011<br>Anticipated | FY 2012           | FY 2013           | FY 2014           | FY 2015           | FY 2016           | Future FY         | Unidentified<br>Funding | Project<br>Total   |
|----------------------|---------|-------------------|-------------------|------------------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|--------------------|
| MUNI SEWER REVENUE   | 700000  | 46,313,820        | 41,646,777        | 5,000,000        | 0                      | 10,000,000        | 10,000,000        | 10,000,000        | 10,000,000        | 10,000,000        | 10,000,000        | 0                       | 152,960,597        |
| UNDERGROUND SURCHARG | 200218  | 550               | (550)             | 0                | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| <b>Total</b>         |         | <b>46,314,370</b> | <b>41,646,227</b> | <b>5,000,000</b> | <b>0</b>               | <b>10,000,000</b> | <b>10,000,000</b> | <b>10,000,000</b> | <b>10,000,000</b> | <b>10,000,000</b> | <b>10,000,000</b> | <b>0</b>                | <b>152,960,597</b> |

## Public Utilities

### Wastewater - Collection Sys - Main

### Pipeline Rehabilitation Phase F-1 / S00341

|                          |                     |                             |                    |
|--------------------------|---------------------|-----------------------------|--------------------|
| <b>Council District:</b> | Citywide            | <b>Community Plan:</b>      | Citywide           |
| <b>Project Status:</b>   | Released            | <b>Contact Information:</b> | Azar, Hossein      |
| <b>Duration:</b>         | 2005 - 2011         |                             | 619-533-4102       |
| <b>Improv Type:</b>      | Replacement - Rehab |                             | hazar@sandiego.gov |

**Description:** This project provides rehabilitation and repair of 21.72 miles of sewer pipeline.

**Schedule:** Construction began in Fiscal Year 2008 and is scheduled to be completed in Fiscal Year 2011.

**Justification / Public Benefit:** This project will help meet EPA requirements to reduce sewer spills while reducing maintenance costs and extending the service life of sewer pipelines.

**Summary of Project Changes:** This project is newly published for Fiscal Year 2011. This project was converted from a sublet (B-00468) under an annual allocation to a stand-alone due to costs exceeding \$8 million per sublet. This project was originally scheduled to rehabilitate 10.03 miles of pipeline. Due to some contractual issues with other pipeline rehabilitation contracts, additional mileage was added to this project as a change order.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the applicable community planning areas and is in conformance with the City's General Plan.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|--------------------|---------|------------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 9,519,728        | 741,229        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 10,260,957        |
| <b>Total</b>       |         | <b>9,519,728</b> | <b>741,229</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>10,260,957</b> |

## Public Utilities

### Wastewater - Collection Sys - Main

### Sewer Main Replacements / AJA00001

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2020      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for the replacement of deteriorated and undersized sewer mains at various locations within the City limits.

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This annual allocation provides for the replacement of sewer mains that are in a deteriorated condition or are undersized.

**Schedule:** Projects will be scheduled on a priority basis.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$26.9 million due to revised requirements. Total project costs do not reflect accrual adjustments.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn          | FY 2011           | FY 2011<br>Anticipated | FY 2012           | FY 2013           | FY 2014           | FY 2015           | FY 2016           | Future FY         | Unidentified<br>Funding | Project<br>Total   |
|----------------------|---------|-------------------|-------------------|-------------------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|--------------------|
| CAPITAL OUTLAY-MISC  | 400002  | 323               | (323)             | 0                 | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| GENERAL FUND         | 100000  | (59)              | 59                | 0                 | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| MUNI SEWER REVENUE   | 700000  | 98,453,578        | 35,413,030        | 68,800,000        | 0                      | 55,000,000        | 55,000,000        | 40,000,000        | 40,000,000        | 40,000,000        | 40,000,000        | 0                       | 472,666,608        |
| PLANNING & DEVEL REV | 700036  | 48                | (48)              | 0                 | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| WATER UTILITY OPERAT | 700011  | 2,398             | (2,398)           | 0                 | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| <b>Total</b>         |         | <b>98,456,288</b> | <b>35,410,320</b> | <b>68,800,000</b> | <b>0</b>               | <b>55,000,000</b> | <b>55,000,000</b> | <b>40,000,000</b> | <b>40,000,000</b> | <b>40,000,000</b> | <b>40,000,000</b> | <b>0</b>                | <b>472,666,608</b> |

## Public Utilities

### Wastewater - Collection Sys - Main

### Unscheduled Projects / AJA00003

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2020      | (858) 292-6476                           |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for repair and replacement of sewers in need of emergency or unscheduled repairs.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This annual allocation provides for emergency repairs and replacement of sewer pipeline to avoid failures of the Municipal Sewer System.

**Schedule:** Projects are scheduled on a priority basis.

**Operating Budget Impact:** None.

**Summary of Project Changes:** Total project cost has decreased by \$5.9 million. Current funding within the project combined with the new Fiscal Year 2011 project budget of \$2.2 million will support Fiscal Year 2011 needs.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc           | Con Appn         | FY 2011          | FY 2011 Anticipated | FY 2012          | FY 2013          | FY 2014          | FY 2015          | FY 2016          | Future FY        | Unidentified Funding | Project Total     |
|--------------------|---------|-------------------|------------------|------------------|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|-------------------|
| GENERAL FUND       | 100000  | 84                | (84)             | 0                | 0                   | 0                | 0                | 0                | 0                | 0                | 0                | 0                    | 0                 |
| MUNI SEWER REVENUE | 700000  | 11,480,245        | 6,453,421        | 2,200,000        | 0                   | 1,265,319        | 1,315,932        | 1,368,569        | 1,423,312        | 1,480,244        | 1,539,454        | 0                    | 28,526,496        |
| <b>Total</b>       |         | <b>11,480,329</b> | <b>6,453,337</b> | <b>2,200,000</b> | <b>0</b>            | <b>1,265,319</b> | <b>1,315,932</b> | <b>1,368,569</b> | <b>1,423,312</b> | <b>1,480,244</b> | <b>1,539,454</b> | <b>0</b>             | <b>28,526,496</b> |



## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Balboa Avenue Trunk Sewer / S00331

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 6      | <b>Community Plan:</b> Clairemont Mesa    |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Gamboa, Wendy |
| <b>Duration:</b> 2001 - 2012    | 619-235-1971                              |
| <b>Improv Type:</b> Expansion   | wgamboa@sandiego.gov                      |

**Description:** This project provides for the replacement of the existing 15-inch trunk sewer pipe with 24-inch pipe, including the 5,000 feet of new 18-inch trunk sewer.

**Relationship to General and Community Plans:** This project is consistent with the Clairemont Mesa Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will upgrade the existing trunk sewer with a larger pipe to accommodate additional flow in the future.

**Schedule:** Design began in Fiscal Year 2002 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to begin and be completed in Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost decreased by approximately \$2.0 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn       | FY 2011          | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|------------------|----------------|------------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 1,726,220        | 515,269        | 1,400,000        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 3,641,489        |
| <b>Total</b>       |         | <b>1,726,220</b> | <b>515,269</b> | <b>1,400,000</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>3,641,489</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Beach Area Low Flow Storm Diversion / S00313

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 1, 2   | <b>Community Plan:</b> La Jolla, Pacific Beach |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Batta, Jamal       |
| <b>Duration:</b> 1999 - 2010    | 619-533-7482                                   |
| <b>Improv Type:</b> Replacement | jbatta@sandiego.gov                            |

**Description:** This project and Storm Water Department's Beach Area Low Flow Storm Drain Diversion project, S-00603, provide for diversion of low flow storm runoff and sewer overflows.

**Relationship to General and Community Plans:** This project is consistent with the La Jolla and Pacific Beach Community Plans, and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will allow for the sewer overflow and low flow storm runoff to return to the sewer, preventing pollution in the beach areas.

**Schedule:** Construction was scheduled to begin in Fiscal Year 1999. This project has been completed and it's scheduled to be closed by the end of Fiscal Year 2010.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant changes have been made to the project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011 Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total    |
|--------------------|---------|------------------|------------------|----------|---------------------|----------|----------|----------|----------|----------|-----------|----------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 2,422,334        | (215,190)        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 2,207,143        |
| <b>Total</b>       |         | <b>2,422,334</b> | <b>(215,190)</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>2,207,143</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Carmel Valley Trunk Sewer / S00325

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 1      | <b>Community Plan:</b> Carmel Valley    |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Phung, Tung |
| <b>Duration:</b> 1992 - 2010    | 858-292-6425                            |
| <b>Improv Type:</b> Expansion   | tphung@sandiego.gov                     |

**Description:** This project provides for replacement of the existing Carmel Valley Trunk Sewer east of Interstate 5.

**Relationship to General and Community Plans:** This project is consistent with the Carmel Valley Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The existing sewer has experienced a significant number of structural failures. Continuing development within the area tributary to the existing trunk sewer will also create the need for greater capacity than the existing sewer can provide. CalTrans will replace a portion of the existing trunk sewer in conjunction with its work on the State Route 56/Interstate 5 interchange. This project is included in the Environmental Protection Agency Consent Decree.

**Schedule:** Design began in Fiscal Year 1999 and was completed in Fiscal Year 2005. Construction began in Fiscal Year 2004 and was completed in Fiscal Year 2007. The developer has taken over this project and scheduled to close at the end of Fiscal Year 2010.

**Summary of Project Changes:** No significant changes have been made to the project.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn       | FY 2011  | FY 2011 Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total     |
|----------------------|---------|-------------------|----------------|----------|---------------------|----------|----------|----------|----------|----------|-----------|----------------------|-------------------|
| CARMEL VALLEY TS CON | 700005  | 1,226,804         | (461,804)      | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 765,000           |
| MUNI SEWER REVENUE   | 700000  | 65,860            | 187,679        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 253,538           |
| SEWER CONTRIB TO THE | 700004  | 8,949,681         | 738,931        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 9,688,612         |
| <b>Total</b>         |         | <b>10,242,345</b> | <b>464,805</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>10,707,151</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### East Mission Gorge Force Main Rehabilitation / S00326

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Navajo           |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Phung, Tung |
| <b>Duration:</b> 2004 - 2015    | 858-292-6425                            |
| <b>Improv Type:</b> Replacement | tphung@sandiego.gov                     |

**Description:** This project provides for the rehabilitation of the East Mission Gorge force main due to deterioration of the pipeline concrete lining from sulfuric acid build up.

**Relationship to General and Community Plans:** This project is consistent with the Mission Trails Regional Park Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project provides for the rehabilitation of the force main in order to prevent breakage of the force main and prevent potential sewage spills.

**Schedule:** Design began in Fiscal Year 2004 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to begin in Fiscal Year 2012.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost increased by \$3.0 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc        | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013        | FY 2014          | FY 2015          | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|----------------|----------------|----------|------------------------|----------|----------------|------------------|------------------|----------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 441,835        | 812,805        | 0        | 0                      | 0        | 563,525        | 3,069,366        | 1,404,304        | 0        | 0         | 0                       | 6,291,835        |
| <b>Total</b>       |         | <b>441,835</b> | <b>812,805</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>563,525</b> | <b>3,069,366</b> | <b>1,404,304</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>6,291,835</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### East Point Loma Trunk Sewer / S00329

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Peninsula, Midway - Pacific Highway |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Spier, Carl                    |
| <b>Duration:</b> 2001 - 2013    | 619-533-5126   |
| <b>Improv Type:</b> Expansion   | cspier@sandiego.gov  |

**Description:** Construction consists of the rehabilitation of approximately 7,308 LF of 27 & 30-inch trunk sewer, the installation of approximately 640 LF of 36-inch trunk sewer, 64 LF of 27-inch trunk sewer, 237 LF of 18-inch trunk sewer, 148 LF of 12-inch sewer mains, and 31 LF of 8-inch sewer mains, plus sewer manholes, sewer laterals, trench shoring, pavement resurfacing and all other work and appurtenances necessary to complete the work. The affected streets are Nimitz Blvd., Barnett Avenue, and Cushing Road between Nimitz Blvd. and Barnett Avenue.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is consistent with the Peninsula and Midway-Pacific Highway Corridor Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2004 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to be begin in Fiscal Year 2011 and be completed by 2013.

**Justification / Public Benefit:** This project redirects the existing trunk sewer system to the 96 Sewer Interceptor located on Barnett Ave. The age of the existing system is almost 60 years old and needs to be rehabilitated.

**Summary of Project Changes:** The total project cost decreased by \$1.1 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc        | Con Appn         | FY 2011  | FY 2011 Anticipated | FY 2012          | FY 2013       | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total     |
|--------------------|---------|----------------|------------------|----------|---------------------|------------------|---------------|----------|----------|----------|-----------|----------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 775,285        | 9,154,715        | 0        | 0                   | 1,524,228        | 45,802        | 0        | 0        | 0        | 0         | 0                    | 11,500,030        |
| <b>Total</b>       |         | <b>775,285</b> | <b>9,154,715</b> | <b>0</b> | <b>0</b>            | <b>1,524,228</b> | <b>45,802</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>11,500,030</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Harbor Drive Trunk Sewer Replacement / S00336

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 8      | <b>Community Plan:</b> Centre City      |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Spier, Carl |
| <b>Duration:</b> 2000 - 2013    | 619-533-5126                            |
| <b>Improv Type:</b> Expansion   | cspier@sandiego.gov                     |

**Description:** This project provides for upgrading and replacing existing portions of Harbor Drive trunk sewer with 15-inch, 18-inch and 48-inch pipelines.

**Relationship to General and Community Plans:** This project is consistent with the Centre City Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The existing trunk sewer has a portion constructed of techite pipeline, which has been prone to structural failure.

**Schedule:** Design began in Fiscal Year 2002 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to begin in Fiscal Year 2011 and be completed in Fiscal Year 2013.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost decreased by approximately \$5 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc        | Con Appn       | FY 2011          | FY 2011<br>Anticipated | FY 2012          | FY 2013        | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|--------------------|---------|----------------|----------------|------------------|------------------------|------------------|----------------|----------|----------|----------|-----------|-------------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 815,201        | 169,471        | 4,000,000        | 0                      | 4,978,442        | 737,743        | 0        | 0        | 0        | 0         | 0                       | 10,700,857        |
| <b>Total</b>       |         | <b>815,201</b> | <b>169,471</b> | <b>4,000,000</b> | <b>0</b>               | <b>4,978,442</b> | <b>737,743</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>10,700,857</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### La Jolla/PB Trunk Sewer-Chelsea Street Relocation / S00327

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 1      | <b>Community Plan:</b> La Jolla           |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Gamboa, Wendy |
| <b>Duration:</b> 1997 - 2010    | 619-235-1971                              |
| <b>Improv Type:</b> Expansion   | wgamboa@sandiego.gov                      |

**Description:** This project will realign approximately 3,850 feet of 21-inch trunk sewer; construct approximately 28 feet of 12-inch sewer main; construct approximately 4,638 feet of 8-inch sewer main; and replumb approximately 65 laterals.

**Relationship to General and Community Plans:** This project is consistent with the La Jolla Community Plan and it is in conformance with the City's Program Guide and General Plan.

**Justification / Public Benefit:** This project will relocate an existing trunk sewer located within a utility easement area between private properties fronting La Jolla Boulevard and Chelsea Street.

**Schedule:** This project is complete and awaiting capitalization.

**Summary of Project Changes:** No significant changes made to this project in Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|------------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 8,342,627        | 110,316        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 8,452,943        |
| <b>Total</b>       |         | <b>8,342,627</b> | <b>110,316</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>8,452,943</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Lake Murray Trunk Sewer / S00335

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Navajo           |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Spier, Carl |
| <b>Duration:</b> 2003 - 2012    | 619-533-5126                            |
| <b>Improv Type:</b> Expansion   | cspier@sandiego.gov                     |

**Description:** This project provides for the replacement of three miles of existing trunk sewer and installation of maintenance access pathways.

**Relationship to General and Community Plans:** This project is consistent with the Navajo Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project provides for the upsizing of the trunk sewer to meet build-out capacity.

**Schedule:** Design was completed. Construction began in Fiscal year 2010 and will be completed by Fiscal Year 2011.

**Operating Budget Impact:** None

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn          | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|--------------------|---------|------------------|-------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 9,542,593        | 11,154,205        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 20,696,798        |
| <b>Total</b>       |         | <b>9,542,593</b> | <b>11,154,205</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>20,696,798</b> |



## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Metropolitan Waste Water Department Trunk Sewers / AJB00001

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2020      | 858-292-6476                             |
| <b>Improv Type:</b> New           | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for the replacement of trunk sewers and sewer mains at various locations, including canyons, within the City.

**Relationship to General and Community Plans:** This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This annual allocation provides for the upgrading of trunk sewers, to improve the level of service to residents of San Diego and to comply with regulatory agencies by reducing the impact of sewer spills.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$14.6 million due to revised requirements.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc           | Con Appn         | FY 2011           | FY 2011 Anticipated | FY 2012           | FY 2013           | FY 2014           | FY 2015           | FY 2016           | Future FY         | Unidentified Funding | Project Total      |
|---------------------|---------|-------------------|------------------|-------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|--------------------|
| METRO SEWER UTILITY | 700001  | 0                 | 0                | 2,000,000         | 0                   | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                    | 2,000,000          |
| MUNI SEWER REVENUE  | 700000  | 25,550,974        | 7,914,819        | 12,617,329        | 0                   | 17,600,000        | 20,000,000        | 25,000,000        | 20,000,000        | 20,000,000        | 20,000,000        | 0                    | 168,683,122        |
| <b>Total</b>        |         | <b>25,550,974</b> | <b>7,914,819</b> | <b>14,617,329</b> | <b>0</b>            | <b>17,600,000</b> | <b>20,000,000</b> | <b>25,000,000</b> | <b>20,000,000</b> | <b>20,000,000</b> | <b>20,000,000</b> | <b>0</b>             | <b>170,683,122</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Miramar Road Trunk Sewer / S00330

|                          |             |                             |                                  |
|--------------------------|-------------|-----------------------------|----------------------------------|
| <b>Council District:</b> | 1, 5        | <b>Community Plan:</b>      | Mira Mesa, North University City |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Phung, Tung                      |
| <b>Duration:</b>         | 2001 - 2010 |                             | 858-292-6425                     |
| <b>Improv Type:</b>      | Expansion   |                             | tphung@sandiego.gov              |

**Description:** This project provides for the replacement and upgrade of the Miramar Trunk Sewer.

**Schedule:** Design began in Fiscal Year 2001 and was completed in Fiscal Year 2007. Construction began in Fiscal Year 2007 and was completed in Fiscal Year 2008. Environmental mitigation is scheduled to be completed in Fiscal Year 2010.

**Justification / Public Benefit:** This project provides for upgrading the existing 15-inch diameter pipe to 18-inch diameter pipe in order to accommodate the flow from the Marine Corps Air Station, Miramar.

**Summary of Project Changes:** This project is complete and awaiting capitalization.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the University and Mira Mesa Community Plans and is in conformance with the City's General Plan.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 3,066,685        | 1,587,280        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 4,653,965        |
| <b>Total</b>       |         | <b>3,066,685</b> | <b>1,587,280</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>4,653,965</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Montezuma Trunk Sewer / S00332

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 7      | <b>Community Plan:</b> College Area     |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Spier, Carl |
| <b>Duration:</b> 2002 - 2013    | 619-533-5126                            |
| <b>Improv Type:</b> Expansion   | cspier@sandiego.gov                     |

**Description:** This project provides for the replacement of approximately 2,445 feet of the existing 15-inch trunk sewer with 21-inch pipe.

**Relationship to General and Community Plans:** This project is consistent with the College Area Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This trunk sewer will be upgraded with a larger pipe to accomodate future flow capacity.

**Schedule:** Design began in Fiscal Year 2004 with final design modifications scheduled to be completed in Fiscal Year 2011. Construction for this project will begin in Fiscal Year 2012.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost decreased by \$824,396 due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc        | Con Appn       | FY 2011        | FY 2011<br>Anticipated | FY 2012        | FY 2013        | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|--------------------|---------|----------------|----------------|----------------|------------------------|----------------|----------------|----------|----------|----------|-----------|-------------------------|------------------|
| MUNI SEWER REVENUE | 700000  | 682,913        | 279,861        | 200,000        | 0                      | 411,302        | 611,302        | 0        | 0        | 0        | 0         | 0                       | 2,185,378        |
| <b>Total</b>       |         | <b>682,913</b> | <b>279,861</b> | <b>200,000</b> | <b>0</b>               | <b>411,302</b> | <b>611,302</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>2,185,378</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Otay Mesa Trunk Sewer / S00301

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | 8           | <b>Community Plan:</b>      | Otay Mesa           |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Phung, Tung         |
| <b>Duration:</b>         | 2001 - 2010 |                             | 858-292-6425        |
| <b>Improv Type:</b>      | Expansion   |                             | tphung@sandiego.gov |

**Description:** This project will provide for adequate sewage capacity and accommodate future growth in the Otay Mesa community. The City of San Diego and developers have entered into cooperative agreements to design and construct the Otay Mesa Trunk Sewer project. This is a multi-phased, major trunk sewer system to serve the Otay Mesa area as described in the 2004 Otay Mesa Sewer Master Plan and Alignment Study. The project constructs all sewer pipes 18-inches and larger and upgrades the existing pump station 23T. Phase 2A1 constructs 2,634 feet of 42-inch pipe in Old Otay Mesa Road. Phase 2A2 constructs a continuation of the pipe for another 4,282 feet. Phase 2B1 constructs a continuation of the pipe for another 6,180 feet to connect to the San Ysidro Trunk Sewer

**Justification / Public Benefit:** The project will provide service for the future wastewater flows in the Otay Mesa Area.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Otay Mesa Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design for Phases 2A1 and 2A2 began in Fiscal Year 2001 and completed in Fiscal Year 2010. Design for Phase 2B1 began in Fiscal Year 2001 and was completed in Fiscal Year 2010. Construction for 2A1 and 2A2 began in Fiscal Year 2004 and has been completed. Phase 2B1 will be constructed by the developer.

**Summary of Project Changes:** No significant changes have been made to the project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc           | Con Appn         | FY 2011  | FY 2011 Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total     |
|--------------------|---------|-------------------|------------------|----------|---------------------|----------|----------|----------|----------|----------|-----------|----------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 13,028,525        | 1,433,232        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 14,461,757        |
| <b>Total</b>       |         | <b>13,028,525</b> | <b>1,433,232</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>14,461,757</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### Sorrento Vly Trunk Swr Rep & Swr Pump Station 89 / S00333

|                               |   |
|-------------------------------|---|
| <b>Council District:</b> 1    | <b>Community Plan:</b> Torrey Pines       |
| <b>Project Status:</b> Closed | <b>Contact Information:</b> Gamboa, Wendy |
| <b>Duration:</b> 1998 - 2010  | 619-235-1971                              |
| <b>Improv Type:</b> Expansion | wgamboa@sandiego.gov                      |

**Description:** This project will provide for the relocation of the existing trunk sewer out of the Penasquitos Lagoon.

**Relationship to General and Community Plans:** This project is consistent with the Torrey Pines Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** A portion of the existing trunk sewer is currently located in the Penasquitos Lagoon area and is inaccessible during rainy periods.

**Schedule:** Design began in Fiscal Year 1999 and was completed in Fiscal Year 2006. Construction began in Fiscal Year 2004 and was completed in Fiscal Year 2006. This project is complete and awaiting capitalization

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant changes have been made to the project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc           | Con Appn | FY 2011  | FY 2011 Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total     |
|--------------------|---------|-------------------|----------|----------|---------------------|----------|----------|----------|----------|----------|-----------|----------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 17,912,600        | 0        | 0        | 0                   | 0        | 0        | 0        | 0        | 0        | 0         | 0                    | 17,912,600        |
| <b>Total</b>       |         | <b>17,912,600</b> | <b>0</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>17,912,600</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### South Mission Valley Trunk Sewer / S00302

|                          |             |                             |                      |
|--------------------------|-------------|-----------------------------|----------------------|
| <b>Council District:</b> | 2, 3, 6, 7  | <b>Community Plan:</b>      | Mission Valley       |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Gamboa, Wendy        |
| <b>Duration:</b>         | 2001 - 2012 |                             | 619-235-1971         |
| <b>Improv Type:</b>      | Expansion   |                             | wgamboa@sandiego.gov |

**Description:** This project provides for the installation of approximately 3,000 feet of new 36-inch trunk sewer along Interstate 8 between Taylor Street and Hotel Circle Place, and approximately 600 feet of new 24-inch trunk sewer at the Interstate 5/Interstate 8 interchange.

**Relationship to General and Community Plans:** This project is consistent with the Mission Valley Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will increase the flow capacity of the South Mission Valley Trunk Sewer.

**Schedule:** Design was completed. Construction began in Fiscal Year 2010 and is scheduled to be completed in Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost decreased by \$7.5 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc           | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|--------------------|---------|-------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 12,995,089        | 3,921,586        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 16,916,674        |
| <b>Total</b>       |         | <b>12,995,089</b> | <b>3,921,586</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>16,916,674</b> |

## Public Utilities

### Wastewater - Collection Sys - Trunk Swr

### USIU Trunk Sewer / S00334

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 5      | <b>Community Plan:</b> Scripps Miramar Ranch, Mira Mesa |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Amen, Rania                 |
| <b>Duration:</b> 2002 - 2013    | 619-533-5492  |
| <b>Improv Type:</b> Expansion   | ramen@sandiego.gov                                      |

**Description:** This project provides for the replacement of the existing 2.2-mile trunk sewer. The trunk sewer starts on the west side of Interstate 15, proceeds east through Horse Ranch Canyon, and continues east on the edge of Pomerado Road to 400 feet east of Avenida Magnifica.

**Relationship to General and Community Plans:** This project is consistent with the Scripps Miramar Ranch and Mira Mesa Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project will provide for the upsizing of the trunk sewer to meet build-out capacity.

**Schedule:** Design began in Fiscal Year 2002 and is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to begin in October 2010 and be completed in June 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost decreased by approximately \$4.3 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name          | Fund No | Exp/Enc          | Con Appn         | FY 2011          | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|--------------------|---------|------------------|------------------|------------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| MUNI SEWER REVENUE | 700000  | 2,968,652        | 1,431,785        | 5,920,000        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 10,320,437        |
| <b>Total</b>       |         | <b>2,968,652</b> | <b>1,431,785</b> | <b>5,920,000</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>10,320,437</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Del Mar Heights Pipeline Relocation / S00070

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 1      | <b>Community Plan:</b> Del Mar Mesa         |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wilson, Leonard |
| <b>Duration:</b> 2005 - 2013    | 858-654-4112                                |
| <b>Improv Type:</b> Expansion   | llwilson@sandiego.gov                       |

**Description:** This project will provide for the relocation and upsizing of this pipeline (36") in the ultimate right-of-way for Carmel Valley Road. The existing Del Mar Heights Pipeline will no longer follow the alignment of Carmel Valley Road once Carmel Valley Road is improved to four lanes.

**Relationship to General and Community Plans:** This project is consistent with the Del Mar Mesa Specific (Community) Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Future maintenance of this facility is enhanced when it is in an accessible and convenient location such as a public street right-of-way. This project will relocate the pipeline so that it can be easily maintained, repaired, and serviced in the future.

**Schedule:** Design is scheduled to be completed in Fiscal Year 2011. Construction is scheduled to begin in Fiscal Year 2011 and is scheduled to be completed in Fiscal Year 2013.

**Summary of Project Changes:** No significant change has been made to this project in Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|---------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| PACIFIC HIGHLANDS RA | 400090  | 4,251,970        | 98,030        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 4,350,000        |
| <b>Total</b>         |         | <b>4,251,970</b> | <b>98,030</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>4,350,000</b> |



## Public Utilities

### Water - Distribution Sys - Distribution

### El Capitan Pipeline #2 / S10005

|                          |             |                             |                    |
|--------------------------|-------------|-----------------------------|--------------------|
| <b>Council District:</b> | Non-city    | <b>Community Plan:</b>      | Non City           |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Wong, Pete         |
| <b>Duration:</b>         | 2010 - 2015 |                             | 858-292-6475       |
| <b>Improv Type:</b>      | Expansion   |                             | pwong@sandiego.gov |

**Description:** This project provides for a pipeline parallel to the existing 48-inch El Capitan Pipeline with 41,490 linear feet of new 54-inch pipeline.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Justification / Public Benefit:** This project would provide an additional outlet capacity of 75 million gallons per day (MGD) from El Capitan Reservoir to the Lakeside Pump Station. The combined capacity of the two pipelines would be 130 MGD. This would enable the Lakeside Pump Station to deliver 110 MGD to the Alvarado Water Treatment Plant and 20 MGD to the Helix Water District.

**Schedule:** Project currently undergoing condition assessment and planning. Design phase is re-scheduled to begin in Fiscal Year 2012. Construction is scheduled to begin in Fiscal Year 2014 with completion anticipated by Fiscal Year 2015.

**Operating Budget Impact:** None.

**Summary of Project Changes:** Total project cost decreased by \$6.26 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc       | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012          | FY 2013           | FY 2014           | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|---------------|------------------|----------|------------------------|------------------|-------------------|-------------------|----------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 13,744        | 2,055,854        | 0        | 0                      | 2,206,235        | 23,646,869        | 18,463,603        | 0        | 0        | 0         | 0                       | 46,386,305        |
| <b>Total</b>         |         | <b>13,744</b> | <b>2,055,854</b> | <b>0</b> | <b>0</b>               | <b>2,206,235</b> | <b>23,646,869</b> | <b>18,463,603</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>46,386,305</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### El Monte Pipeline #2 / S10008

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 7      | <b>Community Plan:</b> Navajo          |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wong, Pete |
| <b>Duration:</b> 2010 - 2020    | 858-292-6475                           |
| <b>Improv Type:</b> Expansion   | pwong@sandiego.gov                     |

**Description:** This project would build a new 60-inch pipeline with a capacity of 150 million gallons per day (MGD) between the Lakeside Pump Station and the Alvarado Water Treatment Plant.

**Schedule:** Project currently undergoing condition assessment / planning. Design phase is re-scheduled to begin in Fiscal Year 2012. Construction is scheduled to begin in Fiscal Year 2014 with completion in Fiscal Year 2020.

**Justification / Public Benefit:** This project is necessary to ensure that future water demands are met in the Alvarado service area.

**Summary of Project Changes:** The total estimated project budget increased by \$10.8 million due to revised project requirements.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Navajo Community Plan and is in conformance with the City's General Plan.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc       | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012          | FY 2013        | FY 2014           | FY 2015           | FY 2016           | Future FY         | Unidentified<br>Funding | Project<br>Total   |
|----------------------|---------|---------------|------------------|----------|------------------------|------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------------|--------------------|
| WATER UTILITY OPERAT | 700011  | 13,807        | 2,534,193        | 0        | 0                      | 5,665,129        | 349,766        | 13,143,855        | 29,380,162        | 29,393,628        | 27,007,143        | 0                       | 107,487,683        |
| <b>Total</b>         |         | <b>13,807</b> | <b>2,534,193</b> | <b>0</b> | <b>0</b>               | <b>5,665,129</b> | <b>349,766</b> | <b>13,143,855</b> | <b>29,380,162</b> | <b>29,393,628</b> | <b>27,007,143</b> | <b>0</b>                | <b>107,487,683</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Freeway Relocation / AKB00002

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2011      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides funding to relocate water lines in conflict with the State Department of Transportation highway construction zones.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Waterline relocation is necessitated by the State Department of Transportation's effort to expand the State Highway System. Relocation projects are accomplished in conjunction with highway projects scheduled by the State Department of Transportation.

**Schedule:** Projects are scheduled on a priority basis per Caltrans requests.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn       | FY 2011       | FY 2011<br>Anticipated | FY 2012       | FY 2013       | FY 2014       | FY 2015       | FY 2016       | Future FY     | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|----------------|---------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------------------|------------------|
| DEF MAINT 2009A-PROJ | 400624  | 1,760            | (1,760)        | 0             | 0                      | 0             | 0             | 0             | 0             | 0             | 0             | 0                       | 0                |
| MUNI SEWER REVENUE   | 700000  | 3,556            | (3,556)        | 0             | 0                      | 0             | 0             | 0             | 0             | 0             | 0             | 0                       | 0                |
| WATER UTILITY OPERAT | 700011  | 2,508,613        | 706,626        | 50,000        | 0                      | 50,000        | 50,000        | 50,000        | 50,000        | 50,000        | 50,000        | 0                       | 3,565,239        |
| <b>Total</b>         |         | <b>2,513,929</b> | <b>701,310</b> | <b>50,000</b> | <b>0</b>               | <b>50,000</b> | <b>50,000</b> | <b>50,000</b> | <b>50,000</b> | <b>50,000</b> | <b>50,000</b> | <b>0</b>                | <b>3,565,239</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Kearny Mesa Pipeline Upgrade / S10011

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 6      | <b>Community Plan:</b> Kearny Mesa, Linda Vista, Clairemont Mesa, Mission Valley |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wong, Pete   |
| <b>Duration:</b> 2010 - 2014    | 858-292-6475   |
| <b>Improv Type:</b> Replacement | pwong@sandiego.gov   |

**Description:** This project provides for the replacement of the Kearny Mesa Pipeline. There will be 49,000 linear feet of 36 inch and 30 inch pipeline replaced.

**Schedule:** This project currently undergoing condition assessment and planning. Design is scheduled to begin in Fiscal Year 2012. Construction is scheduled to begin in Fiscal Year 2013 and to be completed in Fiscal Year 2014.

**Justification / Public Benefit:** This upgrade is necessary to prevent water pipe breaks, and to assure a continuous water supply to the Kearny Mesa community.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$2.9 million, due to re-scheduling of project. Total estimated project cost decreased by \$5.3 million due to revised project requirements.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Mission Valley, Linda Vista, Clairemont Mesa and Kearny Mesa Community Plans and is in conformance with the City's General Plan.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc      | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012          | FY 2013           | FY 2014           | FY 2015        | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|--------------|------------------|----------|------------------------|------------------|-------------------|-------------------|----------------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 5,995        | 2,724,005        | 0        | 0                      | 1,957,945        | 21,398,173        | 16,637,026        | 605,247        | 0        | 0         | 0                       | 43,328,391        |
| <b>Total</b>         |         | <b>5,995</b> | <b>2,724,005</b> | <b>0</b> | <b>0</b>               | <b>1,957,945</b> | <b>21,398,173</b> | <b>16,637,026</b> | <b>605,247</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>43,328,391</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Kensington Pressure Regulator / S10059

|                                |  |
|--------------------------------|--|
| <b>Council District:</b> 3     | <b>Community Plan:</b> Normal Heights (Mid-City) |
| <b>Project Status:</b> Created | <b>Contact Information:</b> Partow, Hooman       |
| <b>Duration:</b> 2013 - 2015   | 858-654-4284                                     |
| <b>Improv Type:</b> Betterment | hpartow@sandiego.gov                             |

**Description:** This project will install two pressure regulating stations at the Kensington Park Villas in order to provide more consistent water pressure throughout the community.

**Relationship to General and Community Plans:** This project is consistent with the Normal Heights Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The pressure regulating station will provide more consistent water pressure throughout the community and decrease pipe ruptures or other problems due to over pressurizing.

**Schedule:** During the Master Planning Project prioritization effort it was determined to put this project on hold.

**Operating Budget Impact:** None

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011 Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified Funding | Project Total |
|----------------------|---------|---------|----------|---------|---------------------|---------|---------|---------|---------|---------|-----------|----------------------|---------------|
| WATER UTILITY OPERAT | 700011  | 0       | 31,564   | 0       | 0                   | 0       | 42,816  | 0       | 468,121 | 0       | 0         | 0                    | 542,501       |
| <b>Total</b>         |         |         | 31,564   | 0       | 0                   | 0       | 42,816  | 0       | 468,121 | 0       | 0         | 0                    | 542,501       |

## Public Utilities

### Water - Distribution Sys - Distribution

### Meter Boxes / AKB00005

|                          |             |                             |                        |
|--------------------------|-------------|-----------------------------|------------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide               |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Balotsky, Yana         |
| <b>Duration:</b>         | 2010 - 2011 |                             | 619-527-3170           |
| <b>Improv Type:</b>      | Replacement |                             | ybalotsky@sandiego.gov |

**Description:** This annual allocation provides for the upgrade and replacement of water meter boxes.

**Justification / Public Benefit:** Replacement and upgrades are necessary for the ongoing use of the water billing system.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Water Meter Box Replacements - Group I, II and III projects began in Fiscal Year 2009 and are scheduled to be completed in Fiscal Year 2011.

**Summary of Project Changes:** No significant changes have been made to this project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|---------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 604,301        | 54,688        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 658,989          |
| <b>Total</b>         |         | <b>604,301</b> | <b>54,688</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>658,989</b>   |

## Public Utilities

### Water - Distribution Sys - Distribution

### Miramar Pipeline Monitoring & Reinspection / S00083

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 5      | <b>Community Plan:</b> Mira Mesa       |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wong, Pete |
| <b>Duration:</b> 2007 - 2012    | 858-292-6475                           |
| <b>Improv Type:</b> New         | pwong@sandiego.gov                     |

**Description:** This project provides for monitoring and reinspection of 26,870 linear feet of existing pre-stressed concrete cylinder pipe on Mira Mesa Boulevard from Pacific Heights Boulevard eastward to the Miramar Water Treatment Plant. A pipeline condition assessment will be performed prior to initiating design.

**Relationship to General and Community Plans:** This project is consistent with the Mira Mesa Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** These improvements are necessary to prevent water pipe breaks and to assure a continuous water supply to the Mira Mesa Community.

**Schedule:** The Miramar Pipeline reinspection was pushed out to start in Fiscal Year 2011 and is scheduled to be completed in Fiscal Year 2012.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc       | Con Appn         | FY 2011        | FY 2011 Anticipated | FY 2012       | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total    |
|----------------------|---------|---------------|------------------|----------------|---------------------|---------------|----------|----------|----------|----------|-----------|----------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 19,481        | 1,192,979        | 275,176        | 0                   | 82,462        | 0        | 0        | 0        | 0        | 0         | 0                    | 1,570,098        |
| <b>Total</b>         |         | <b>19,481</b> | <b>1,192,979</b> | <b>275,176</b> | <b>0</b>            | <b>82,462</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>1,570,098</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Montezuma Pipeline/Mid-City Pipeline Phase II / S11026

|                                |  |
|--------------------------------|--|
| <b>Council District:</b> 7     | <b>Community Plan:</b> College Area, Eastern Area (Mid-City), Navajo |
| <b>Project Status:</b> Created | <b>Contact Information:</b> Partow, Hooman                           |
| <b>Duration:</b> 2011 - 2016   | 858-654-4284   |
| <b>Improv Type:</b> Expansion  | hpartow@sanidiego.gov  |

**Description:** This project will construct a new 54-inch pipeline from the Alvarado Water Treatment Plant. Clearwells to the existing 48-inch Mid-City Pipeline, which crosses Highway 8. Approximate pipeline length is 6,505 Linear Feet.

**Operating Budget Impact:** None

**Justification / Public Benefit:** This project will give complete redundancy to the Trojan Pipeline and will add transmission capacity to all of San Diego south of Highway 8. The project will provide a backup supply for the aging 54-inch Trojan Pipeline that currently supplies the Mid-City Pipeline west of the 63rd Street inter-tie, second supply line to the largest region of the Alvarado Water Treatment Plant service area, backup service, and allows the Trojan Pipeline to be removed from service for inspection. In addition, the project provides connections for a new 69th and Mohawk Pump Station to become the lead supply to the Redwood Village (645) zone.

**Relationship to General and Community Plans:** This project is consistent with the College Area, Navajo and Eastern Area Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design is scheduled to begin in Fiscal Year 2011 and to be completed in Fiscal Year 2014. Construction is scheduled to begin in Fiscal Year 2015.

**Summary of Project Changes:** This is a newly published project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015   | FY 2016   | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|---------|---------|---------|-----------|-----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 246,480 | 0                      | 363,562 | 783,063 | 69,476  | 5,430,108 | 3,981,140 | 37,152    | 0                       | 10,910,981       |
| <b>Total</b>         |         |         | 0        | 246,480 | 0                      | 363,562 | 783,063 | 69,476  | 5,430,108 | 3,981,140 | 37,152    | 0                       | 10,910,981       |



## Public Utilities

### Water - Distribution Sys - Distribution

### Pomerado Pipeline #2 / S00072

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 5, 7   | <b>Community Plan:</b> Scripps Miramar Ranch, Tierrasanta |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Partow, Hooman                |
| <b>Duration:</b> 1987 - 2011    | 858-654-4284  |
| <b>Improv Type:</b> Betterment  | hpartow@sandiego.gov                                      |

**Description:** This project provides for negotiating an agreement with the San Diego County Water Authority for the disposition of the City's share of the Pomerado Pipeline.

**Relationship to General and Community Plans:** This project is consistent with the Scripps Miramar Ranch and Tierrasanta Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** The City and the San Diego County Water Authority jointly own the Pomerado Pipeline. The agreement will determine the long-term disposition of the pipeline. Negotiations with the San Diego County Water Authority are expected to continue throughout 2010.

**Schedule:** Negotiations with San Diego County Water Authority are scheduled on a priority basis.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc      | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|--------------|---------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 8,586        | 11,669        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 20,255           |
| <b>Total</b>         |         | <b>8,586</b> | <b>11,669</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>20,255</b>    |

## Public Utilities

### Water - Distribution Sys - Distribution

### Seismic Upgrades / AKB00004

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2011      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation provides for seismic retrofits and upgrades to existing facilities to protect the water system in case of an earthquake.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Many existing facilities throughout the City have serious structural and seismic defects. This annual allocation provides funding to upgrade these facilities to meet current compliance requirements and guidelines. This project allows City crews the ability to rapidly restore water services to affected areas after a large earthquake.

**Schedule:** Projects are scheduled on a priority basis. Fault crossing retrofits to large pipelines and landslide/liquefaction pipeline mitigation projects which began in Fiscal Year 2009, will be completed in late Fiscal Year 2010. The new project for Fiscal Year 2011 is the La Jolla Country Club Reservoir Seismic Upgrade.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The budget for Fiscal Year 2011 decreased by \$1.7 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012        | FY 2013  | FY 2014  | FY 2015          | FY 2016        | Future FY     | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|------------------|------------------|----------|------------------------|----------------|----------|----------|------------------|----------------|---------------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 6,103,068        | 1,754,734        | 0        | 0                      | 466,830        | 0        | 0        | 4,397,418        | 182,333        | 57,430        | 0                       | 12,961,813        |
| <b>Total</b>         |         | <b>6,103,068</b> | <b>1,754,734</b> | <b>0</b> | <b>0</b>               | <b>466,830</b> | <b>0</b> | <b>0</b> | <b>4,397,418</b> | <b>182,333</b> | <b>57,430</b> | <b>0</b>                | <b>12,961,813</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Telemetry Control Systems SCADA Phase II / S00046

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Spier, Carl         |
| <b>Duration:</b>         | 2000 - 2010 |                             | 619-533-5126        |
| <b>Improv Type:</b>      | Expansion   |                             | cspier@sandiego.gov |

**Description:** This is phase II of a two-phase program to install a modern Supervisory Control and Data Acquisition (SCADA) system. The SCADA system monitors and controls all critical water distribution sites. Phase I included the central control and operations component, as well as Remote Control Panels (RCPs) at 42 of the water distribution sites. Due to additional work that had been identified, phase II was divided into five parts, phases IIa, IIb, IIc, IId, and IIe. Phase IIa included the installation of RCPs to control 60 additional water distribution sites. Phase IIb included remediation work at 36 existing sites. Phase IIc included installation of RCPs at 29 large meter sites. Phase IId included installation of RCPs at 72 sites, an operating efficiency assessment, a communication network upgrade, and intranet functionality for data access. Phase IIe included the work identified in the Water Operations Optimization plan.

**Justification / Public Benefit:** Although electronic monitoring systems are currently in operation, City crews have no ability to remotely control the water system, and crews must still personally visit various system locations to turn valves and control pumps manually in emergencies. With recent technological advances, new telemetry installations can provide versatility and flexibility. The new SCADA system will upgrade and centralize all telemetry controls into one location to facilitate the control, monitoring and tracking of data. Improved service and quick emergency control over the entire water system will be the ultimate result.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2000 and was completed in Fiscal Year 2001. Construction began in Fiscal Year 2000 and was completed in Fiscal Year 2009. The project is complete and awaiting closure and capitalization.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|-------------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 12,623,112        | 741,487        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 13,364,599        |
| <b>Total</b>         |         | <b>12,623,112</b> | <b>741,487</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>13,364,599</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### University Ave Pipeline Replacement / S11021

|                          |             |                             |                            |
|--------------------------|-------------|-----------------------------|----------------------------|
| <b>Council District:</b> | 2, 3        | <b>Community Plan:</b>      | Uptown, Greater North Park |
| <b>Project Status:</b>   | Created     | <b>Contact Information:</b> | Partow, Hooman             |
| <b>Duration:</b>         | 2011 - 2016 |                             | 858-654-4284               |
| <b>Improv Type:</b>      | Replacement |                             | hpartow@sandiego.gov       |

**Description:** This project replaces 13,463 linear feet of existing cast-iron University Avenue Pipeline with new 16 distribution line on the entire alignment of the pipeline. Connect crossing distribution lines at all intersections, and re-connect all services, include lining or sleeving of freeway crossings where necessary.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is consistent with the Uptown and Greater North Park Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Cast iron reaches of the University Avenue Pipeline are neither safe nor reliable facilities, and may contribute to poor water quality. An active approach is recommended because of high risks and consequences of pipe failure. The University Avenue Pipeline is the remnant of an older supply system that once supplied the west Mission Valley, Point Loma and Pacific Beach areas from the original University Heights WTP. This transmission system preceded the Mission Valley transmission lines from the Alvarado WTP that were put into service in 1950 and currently supply those areas. The University Avenue Pipeline has low flow rates and is heavily tapped for service so that it effectively functions as a large distribution line. In addition, California Department of Public Health mandated that all cast iron pipes be replaced.

**Schedule:** Design is scheduled to begin in Fiscal Year 2011 and will be completed in Fiscal Year 2013. Construction is scheduled to begin in Fiscal Year 2013 and be completed in Fiscal Year 2015.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013   | FY 2014   | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|---------|-----------|-----------|---------|---------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 503,289 | 0                      | 373,939 | 6,011,736 | 2,719,229 | 25,270  | 0       | 0         | 0                       | 9,633,463        |
| <b>Total</b>         |         |         | 0        | 503,289 | 0                      | 373,939 | 6,011,736 | 2,719,229 | 25,270  | 0       | 0         | 0                       | 9,633,463        |

## Public Utilities

### Water - Distribution Sys - Distribution

### Upas Street Pipeline Replacement / S11022

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 3      | <b>Community Plan:</b> Uptown, Greater North Park |
| <b>Project Status:</b> Created  | <b>Contact Information:</b> Partow, Hooman        |
| <b>Duration:</b> 2011 - 2016    | 858-654-4284                                      |
| <b>Improv Type:</b> Replacement | hpartow@sandiego.gov                              |

**Description:** This project replaces 11,598 linear feet of existing cast-iron Upas Street Pipeline with a new 16 line from 30th and Upas to Upas and Front Street. Abandon 2,546 linear feet of existing cast-iron Upas Street Pipeline from Upas and Front to West Upas and Ibis Street. Replace 246 linear feet cast-iron Upas Street Pipeline with new 8 line from West Upas and Ibis to West Upas and Jackdaw Street. Abandon 1,902 linear feet of Upas Street Pipeline from West Upas and Jackdaw to the west side of California Street. Replace 249 linear feet cast-iron Upas Street Pipeline with new 16 line from the Pacific Beach Pipeline west of California Street to the 12 connection west of Pacific Highway.

**Justification / Public Benefit:** This project is needed because the cast iron reaches of the Upas Street Pipeline are neither safe nor reliable facilities, and may contribute to poor water quality. An active approach is recommended because of high risks and consequences of pipe failure. The Upas Street Pipeline is remnants of an older supply system that once supplied the west Mission Valley, Point Loma and Pacific Beach areas from the original University Heights WTP. This transmission system preceded the Mission Valley transmission lines from the Alvarado WTP that were put into service in 1950 and currently supply those areas. The Upas Street Pipeline has low flow rates and is heavily tapped for service so that it effectively functions as a large distribution line. In addition, California Department of Public Health mandated that all cast iron pipes be replaced.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Uptown and Greater North Park Community Plans, and is in conformance with the City's General Plan.

**Schedule:** Design is scheduled to begin in Fiscal Year 2011 and will be completed in Fiscal Year 2013. Construction is scheduled to begin in Fiscal Year 2013 and be completed in Fiscal Year 2015.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013   | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|---------|-----------|---------|---------|---------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 156,000 | 0                      | 31,859  | 5,608,465 | 769,798 | 0       | 0       | 0         | 0                       | 6,566,122        |
| <b>Total</b>         |         |         | 0        | 156,000 | 0                      | 31,859  | 5,608,465 | 769,798 | 0       | 0       | 0         | 0                       | 6,566,122        |

## Public Utilities

### Water - Distribution Sys - Distribution

### Water Group Job 790 / S10004

|                          |             |                             |                                    |
|--------------------------|-------------|-----------------------------|------------------------------------|
| <b>Council District:</b> | 1, 4        | <b>Community Plan:</b>      | La Jolla, Skyline - Paradise Hills |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Amen, Rania                        |
| <b>Duration:</b>         | 2010 - 2012 |                             | 619-533-5492                       |
| <b>Improv Type:</b>      | Replacement |                             | ramen@sandiego.gov                 |

**Description:** This project will replace 4.41 miles of existing water mains comprised of the following components: This job is located within two separate planned communities. The first is located within the Paradise Hills/Skyline Community Plan area which consists of the replacement of 14,137 lineal-feet (2.67 miles) of water mains ranging from 2 to 12 in diameter. The streets affected by the construction are: 68th Street, Jamacha Road, Guthrie Way, Cardiff Street, Bonsall Street, Wade Street, San Vicente Street, Sawtelle Avenue and Skyline Drive. The second site is located within the La Jolla Community Plan and consists of the replacement and addition of a total of 9,184 lineal-feet (1.74 miles) of water mains ranging from 6 to 12 in diameter. The streets affected by the construction are: Nautilus Street, Michael John Drive, Aranda Avenue, Avenida Manana, Via Barranca, and Avenida De Las Pescas.

**Justification / Public Benefit:** These improvements are necessary to prevent water pipe breaks and to ensure a continuous water supply to the La Jolla and Skyline-Paradise Hills communities.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the La Jolla and Skyline/Paradise Hills Community Plans and is in conformance with the City's General Plan.

**Schedule:** Planning phase began in Fiscal Year 2008. Construction started in Fiscal Year 2010 and will be completed in Fiscal Year 2011.

**Summary of Project Changes:** This project converted to a standalone in Fiscal Year 2010. Total project estimated cost decreased by \$916,217 at project award. An additional \$385,000 was added in Fiscal Year 2010, from Annual Allocation Water Main Replacement. The budget for Fiscal Year 2011 decreased by \$1.3 million due to funds transferred in from Annual Allocation Water Main Replacement and the decreased total project cost at award.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011        | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|------------------|----------------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 4,536,386        | 3,048,614        | 698,783        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 8,283,783        |
| <b>Total</b>         |         | <b>4,536,386</b> | <b>3,048,614</b> | <b>698,783</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>8,283,783</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Water Group Job 915 (3012) / S10123

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Pacific Beach       |
| <b>Project Status:</b> Created  | <b>Contact Information:</b> Antoun, Nevien |
| <b>Duration:</b> 2010 - 2014    | 619-533-7492                               |
| <b>Improv Type:</b> Replacement | nantoun@sandiego.gov                       |

**Description:** This project is in the Pacific Beach Community and consists of replacement of 42,020 LF (7.96 miles) of eight inch (8) and twelve inch (12) water main and all other work and appurtenances. It also includes installation of curb ramps and street resurfacing.

**Relationship to General and Community Plans:** This project is consistent with the Pacific Beach Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** These improvements are necessary to prevent water main breaks and to ensure a continuous water supply to the Pacific Beach community.

**Schedule:** The Planning phase began in Fiscal Year 2008. Construction began in Fiscal Year 2010 and will be completed in Fiscal Year 2013.

**Operating Budget Impact:** None

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2011. This project was established by City Council Resolution R-305723 on March 23, 2010 with an initial budget of \$8.1 million.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 5,036,610        | 3,081,489        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 8,118,099        |
| <b>Total</b>         |         | <b>5,036,610</b> | <b>3,081,489</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>8,118,099</b> |

## Public Utilities

### Water - Distribution Sys - Distribution

### Water Main Replacements / AKB00003

|                                   |  |
|-----------------------------------|--|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide          |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann |
| <b>Duration:</b> 2010 - 2011      | 858-292-6476                             |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                      |

**Description:** This annual allocation allows for the replacement of water mains at various locations throughout the City.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Water mains require replacement due to their deteriorated condition or size limitation. The existing cast-iron system is either approaching or has exceeded its expected life of 40 years. Breaks are now occurring at the rate of over 200 annually.

**Schedule:** Projects are scheduled on a priority basis.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$23.4 million due to revised project requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc            | Con Appn          | FY 2011           | FY 2011<br>Anticipated | FY 2012           | FY 2013           | FY 2014           | FY 2015           | FY 2016           | Future FY         | Unidentified<br>Funding | Project<br>Total   |
|----------------------|---------|--------------------|-------------------|-------------------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|--------------------|
| GENERAL FUND         | 100000  | 2,580              | (2,580)           | 0                 | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| MUNI SEWER REVENUE   | 700000  | 3,378              | (3,378)           | 0                 | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| PLANNING & DEVEL REV | 700036  | 111                | (111)             | 0                 | 0                      | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                       | 0                  |
| WATER UTILITY OPERAT | 700011  | 105,357,935        | 29,820,265        | 72,565,217        | 0                      | 72,800,000        | 72,800,000        | 41,600,000        | 41,600,000        | 41,600,000        | 41,600,000        | 0                       | 519,743,417        |
| <b>Total</b>         |         | <b>105,364,005</b> | <b>29,814,195</b> | <b>72,565,217</b> | <b>0</b>               | <b>72,800,000</b> | <b>72,800,000</b> | <b>41,600,000</b> | <b>41,600,000</b> | <b>41,600,000</b> | <b>41,600,000</b> | <b>0</b>                | <b>519,743,417</b> |



## Public Utilities

### Water - Distribution Sys - Transmission

### CIP Program Management / S00045

|                          |             |                             |                      |
|--------------------------|-------------|-----------------------------|----------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide             |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Dorman, Amy          |
| <b>Duration:</b>         | 2008 - 2020 |                             | 619-533-5248         |
| <b>Improv Type:</b>      | Replacement |                             | adorman@sandiego.gov |

**Description:** This project provides for consultant activity related to the preparation and management of the Water Fund's Capital Improvements Program, value engineering, and program management. This project also provides for specialized studies and activities related to water facility master plans, financing, organization and management structure, scheduling, engineering, cost estimation, bond funding, and project impacts on operations and maintenance.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Consulting activity is scheduled on an as-needed basis.

**Justification / Public Benefit:** These activities are required to plan and continue to keep the Water Fund's Capital Improvements Program, which is in excess of \$1.0 billion, in conformance with the Strategic Plan for Water Supply.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 1,597,971        | 2,562,029        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 4,160,000        |
| <b>Total</b>         |         | <b>1,597,971</b> | <b>2,562,029</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>4,160,000</b> |

## Public Utilities

### Water - Distribution Sys - Transmission

### Carmel Mountain Road Transmission Line / S00071

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 1      | <b>Community Plan:</b> Carmel Valley        |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wilson, Leonard |
| <b>Duration:</b> 2008 - 2012    | 858-654-4112                                |
| <b>Improv Type:</b> Replacement | llwilson@sandiego.gov                       |

**Description:** This project provides for construction of a transmission waterline east of I-5, along the alignment of Carmel Mountain Road to the eastern boundary of the Carmel Valley Community Plan area.

**Schedule:** The portion of the transmission potable water pipeline along Carmel Mountain Road west of Canter Heights Drive and east of Timber Brook Lane has been constructed and is in-service. The remaining portion east of Timber Brook Lane easterly along Carmel Mountain Road to the eastern Carmel Valley Community Boundary is under construction and is scheduled to be completed in Fiscal Year 2011.

**Justification / Public Benefit:** The waterline is required in order to develop the southern portion of Carmel Valley in accordance with the Carmel Valley Community Plan.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is consistent with the Carmel Valley Community Plan and is in conformance with the City's General Plan.

#### Expenditure by Funding Source

| Fund Name           | Fund No | Exp/Enc          | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|---------------------|---------|------------------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| CARMEL VALLEY SOUTH | 400087  | 2,589,332        | 1,335,668        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 3,925,000        |
| <b>Total</b>        |         | <b>2,589,332</b> | <b>1,335,668</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>3,925,000</b> |

## Public Utilities

### Water - Distribution Sys - Transmission

### Corrosion Control / AKA00001

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann        |
| <b>Duration:</b>         | 2010 - 2020 |                             | 858-292-6476        |
| <b>Improv Type:</b>      | Replacement |                             | ghwang@sandiego.gov |

**Description:** This annual allocation provides for renovating or replacing deteriorating corrosion control and monitoring systems throughout the City.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Deteriorating corrosion control and monitoring systems are in need of rehabilitation. This annual allocation provides for an ongoing program to rehabilitate over 600 existing corrosion protection stations.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$400,000 due to revised project requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011 Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified Funding | Project Total |
|----------------------|---------|---------|----------|---------|---------------------|---------|---------|---------|---------|---------|-----------|----------------------|---------------|
| WATER UTILITY OPERAT | 700011  | 0       | 100,000  | 500,000 | 0                   | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000   | 0                    | 1,200,000     |
| <b>Total</b>         |         |         | 100,000  | 500,000 | 0                   | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000   | 0                    | 1,200,000     |

## Public Utilities

### Water - Distribution Sys - Transmission

### Dulzura Conduit Concrete Covers / S00067

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Non-city | <b>Community Plan:</b> Non City           |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Azar, Hossein |
| <b>Duration:</b> 2009 - 2011      | 619-533-4102                              |
| <b>Improv Type:</b> New           | hazar@sandiego.gov                        |

**Description:** This project provided concrete covers over 1,010-feet of the Dulzura Conduit.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan

**Justification / Public Benefit:** Covers provided protection from excessive rock slides and landslides caused by unstable soil conditions when all vegetation above the conduit was burned in the 2007 wildfires. Rocks and soil inside the channel prohibited transfer of water from Lake Barrett to Lower Otay Lake.

**Schedule:** Design and construction were started and completed in Fiscal Year 2010.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn      | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|---------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 761,919        | 38,081        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 800,000          |
| <b>Total</b>         |         | <b>761,919</b> | <b>38,081</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>800,000</b>   |

## Public Utilities

### Water - Distribution Sys - Transmission

### Harbor Drive Pipeline / S00019

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Old San Diego, Ocean Beach, Peninsula |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Azar, Hossein                    |
| <b>Duration:</b> 1996 - 2013    | 619-533-4102   |
| <b>Improv Type:</b> Replacement | hazar@sandiego.gov   |

**Description:** This project replaces 4.4 miles of 16" Cast Iron water pipeline from Harbor Drive Bridge to the Point Loma Reservoir.

**Relationship to General and Community Plans:** This project is consistent with the Ocean Beach, Old San Diego, and Peninsula Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** These improvements are necessary to prevent water pipe breaks and to ensure a continuous water supply to the Ocean Beach, Fleetridge, Old San Diego, and Peninsula community planning areas.

**Schedule:** Design phase began in Fiscal Year 2010 and will be completed in Fiscal Year 2013. Construction is scheduled to begin in Fiscal Year 2013 and will be completed in Fiscal Year 2015.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost increased by \$1.8 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn       | FY 2011        | FY 2011<br>Anticipated | FY 2012  | FY 2013          | FY 2014          | FY 2015       | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|----------------|----------------|----------------|------------------------|----------|------------------|------------------|---------------|----------|-----------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 814,290        | 771,107        | 454,603        | 0                      | 0        | 6,381,183        | 5,723,251        | 90,099        | 0        | 0         | 0                       | 14,234,533        |
| <b>Total</b>         |         | <b>814,290</b> | <b>771,107</b> | <b>454,603</b> | <b>0</b>               | <b>0</b> | <b>6,381,183</b> | <b>5,723,251</b> | <b>90,099</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>14,234,533</b> |

## Public Utilities

### Water - Distribution Sys - Transmission

### Lindbergh Field 16" Cast Iron Main Replacement / S10055

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 2      | <b>Community Plan:</b> Midway - Pacific Highway |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Azar, Hossein       |
| <b>Duration:</b> 2010 - 2015    | 619-533-4102                                    |
| <b>Improv Type:</b> Replacement | hazar@sandiego.gov                              |

**Description:** This project relocates the transmission main from underneath the tarmac (landing strip) at Lindbergh Field to a location that is more accessible for operation and maintenance.

**Relationship to General and Community Plans:** This project is consistent with the Midway/Pacific Highway Community Plan and is in conformance with the City's General Plan.

**Justification / Public Benefit:** In case of a pipe failure requiring Water Operations to work emergency repair the pipeline must be relocated to a location that is more accessible for operation and maintenance. The 12" and 16" cast iron pipe was installed in 1940's.

**Schedule:** Design began in Fiscal year 2010. Construction is estimated to begin in Fiscal Year 2013 and to be completed in late Fiscal Year 2014.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost increased by \$2.3 million due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn       | FY 2011        | FY 2011<br>Anticipated | FY 2012        | FY 2013          | FY 2014          | FY 2015        | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|----------------|----------------|----------------|------------------------|----------------|------------------|------------------|----------------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 498,072        | 283,883        | 758,045        | 0                      | 314,274        | 5,902,541        | 1,700,952        | 144,165        | 0        | 0         | 0                       | 9,601,932        |
| <b>Total</b>         |         | <b>498,072</b> | <b>283,883</b> | <b>758,045</b> | <b>0</b>               | <b>314,274</b> | <b>5,902,541</b> | <b>1,700,952</b> | <b>144,165</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>9,601,932</b> |

## Public Utilities

### Water - Distribution Sys - Transmission

### Little McGonigle Ranch Road Pipeline / S00069

|                                 |  |
|---------------------------------|--|
| <b>Council District:</b> 1      | <b>Community Plan:</b> Del Mar Mesa, Pacific Highlands Ranch |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Wilson, Leonard                  |
| <b>Duration:</b> 2004 - 2013    | 858-654-4112   |
| <b>Improv Type:</b> Expansion   | llwilson@sandiego.gov  |

**Description:** This project provides for the construction of approximately 15,800 linear feet of 30-inch diameter water transmission pipeline in Carmel Mountain Road and Little McGonigle Ranch Road within the Del Mar Mesa and Pacific Highlands Ranch Communities to provide capacity for both Del Mar Mesa and Pacific Highlands Ranch.

**Justification / Public Benefit:** The pipeline is required to provide capacity in the water system to adequately supply the demand resulting from the build-out of the Del Mar Mesa and Pacific Highlands Ranch communities.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Del Mar Mesa and Pacific Highlands Ranch Specific (Community) Plans and is in conformance with the City's General Plan.

**Schedule:** The design of Phase 4 and 5 are complete. Construction of Phase 4 and 5 are scheduled to be completed in Fiscal Year 2013 dependent upon the construction of the Shaw Lorenz Community. Design of Phase 3 is not scheduled.

**Summary of Project Changes:** No significant change has been made to this project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name        | Fund No | Exp/Enc        | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|------------------|---------|----------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| DEL MAR MESA FBA | 400089  | 654,968        | 102,032        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 757,000          |
| <b>Total</b>     |         | <b>654,968</b> | <b>102,032</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>757,000</b>   |

## Public Utilities

### Water - Distribution Sys - Transmission

### Otay 1st / 2nd Pipelines Abandon - Highland East / S11027

|                          |             |                             |  |
|--------------------------|-------------|-----------------------------|--|
| <b>Council District:</b> | 3, 4, 7     | <b>Community Plan:</b>      | City Heights (Mid-City), Eastern Area (Mid-City) |
| <b>Project Status:</b>   | Created     | <b>Contact Information:</b> | Partow, Hooman                                   |
| <b>Duration:</b>         | 2011 - 2016 |                             | 858-654-4284                                     |
| <b>Improv Type:</b>      | Replacement |                             | hpartow@sandiego.gov                             |

**Description:** This project will abandon 13,000 feet of Otay 1st and Otay 2nd Cast Iron transmission mains that are no longer required; construct 2,874 feet of 16 inch pipeline; abandon a section of 36 inch Otay 2nd Pipeline from Highland and Wightman east to 54th Street and Chollas Station Road; reconnect all services to existing distribution mains; remove all exposed sections of the line; abandon portions of 30 inch and 36 inch Otay 1st Pipeline from Highland and Landis east to 54th Street and Chollas Station Road; build 2,874 liner feet of new 16 inch distribution line from 12 inch line at University Avenue and Winona Avenue to Altadena Avenue south of Sterling Court (current 16 inch connection to Otay 2nd PL) via Winona, Wightman Street and Altadena Avenue.

**Justification / Public Benefit:** This project will abandon 13,000 feet of cast iron pipelines. The Cast Iron Otay 1st and 2nd Pipelines were built in 1915 and 1930, respectively. Cast Iron may contribute to pipe failure and the California Department of Public Health (DPH) mandated that all cast iron pipes be replaced.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is consistent with the Mid-City: City Heights and Mid-City: Eastern Area Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design is scheduled to begin in Fiscal Year 2011 and to be completed in Fiscal Year 2013. Construction is scheduled to begin in Fiscal Year 2013. Projects in Fiscal Year 2011 are budgeted through Fiscal Year 2022.

**Summary of Project Changes:** This is a new project in Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013   | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|---------|-----------|---------|---------|---------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 0        | 63,250  | 0                      | 222,239 | 2,303,514 | 126,293 | 0       | 0       | 0         | 0                       | 2,715,296        |
| <b>Total</b>         |         |         | 0        | 63,250  | 0                      | 222,239 | 2,303,514 | 126,293 | 0       | 0       | 0         | 0                       | 2,715,296        |



## Public Utilities

### Water - Distribution Sys - Transmission

### Otay Second Pipeline Improvements / S00032

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 4, 8   | <b>Community Plan:</b> Skyline - Paradise Hills, Southeastern San Diego |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Antoun, Nevien                              |
| <b>Duration:</b> 1993 - 2010    | 619-533-7492  |
| <b>Improv Type:</b> Replacement | nantoun@sandiego.gov  |

**Description:** This project provides funding to evaluate the condition of existing pipelines and to make appropriate upgrades and replacements to the water pipeline.

**Relationship to General and Community Plans:** This project is consistent with the Skyline/Paradise Hills and Southeastern San Diego Community Plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** This pipeline was originally installed in 1928 and has exceeded its useful life expectancy of 60 years. Breaks in the pipeline have revealed severe pipe corrosion in certain locations, requiring upgrades and replacement.

**Schedule:** Engineering studies and design began in Fiscal Year 1999 and were completed in Fiscal Year 2007. Construction began in Fiscal Year 2008 and is scheduled to be completed in Fiscal Year 2018. However, this scheduling is contingent on the assessed condition of the pipeline.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc           | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012       | FY 2013  | FY 2014       | FY 2015        | FY 2016       | Future FY      | Unidentified<br>Funding | Project<br>Total  |
|----------------------|---------|-------------------|------------------|----------|------------------------|---------------|----------|---------------|----------------|---------------|----------------|-------------------------|-------------------|
| WATER UTILITY OPERAT | 700011  | 22,889,603        | 1,531,740        | 0        | 0                      | 52,720        | 0        | 84,827        | 543,639        | 87,433        | 927,442        | 0                       | 26,117,403        |
| <b>Total</b>         |         | <b>22,889,603</b> | <b>1,531,740</b> | <b>0</b> | <b>0</b>               | <b>52,720</b> | <b>0</b> | <b>84,827</b> | <b>543,639</b> | <b>87,433</b> | <b>927,442</b> | <b>0</b>                | <b>26,117,403</b> |

## Public Utilities

### Water - Distribution Sys - Transmission

### Pressure Reduction Facility Upgrades / AKA00002

|                          |             |                             |                      |
|--------------------------|-------------|-----------------------------|----------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide             |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Hwang, Guann         |
| <b>Duration:</b>         | 2010 - 2020 |                             | 858-292-6476         |
| <b>Improv Type:</b>      | Replacement |                             | ghwang@san Diego.gov |

**Description:** This annual allocation provides for replacing existing pressure reducing stations, or expanding pressure capacities to meet present and future water demands.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Justification / Public Benefit:** Increasing demands for water throughout the City dictate the need to better control water pressure throughout the City's system. This annual allocation will continue to fund the replacement and expansion of pressure reduction facilities.

**Schedule:** Projects will be scheduled on a priority basis. Pressure regulating station upgrade projects for Rosecrans and Nimitz are scheduled for Fiscal Year 2011.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The budget for Fiscal Year 2011 increased by \$100,000 due to revised project requirements.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012   | FY 2013   | FY 2014   | FY 2015   | FY 2016   | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 200,000  | 300,000 | 0                      | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 500,000   | 0                       | 6,000,000        |
| <b>Total</b>         |         |         | 200,000  | 300,000 | 0                      | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 500,000   | 0                       | 6,000,000        |

## Public Utilities

### Water - Distribution Sys - Transmission

### Proctor Valley Off-Highway Vehicle Barrier / S00068

|                          |             |                             |                        |
|--------------------------|-------------|-----------------------------|------------------------|
| <b>Council District:</b> | Non-city    | <b>Community Plan:</b>      | Non City               |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | McGinnis, Nicole       |
| <b>Duration:</b>         | 2009 - 2011 |                             | 619-533-4101           |
| <b>Improv Type:</b>      | New         |                             | nmcginnis@sandiego.gov |

**Description:** This project replaces an existing barbed wire fence with a steel pipe barrier, based on the US Forest Service barrier design, along both sides of the 1.3 miles of Proctor Valley Road that runs through Water Fund land, north of Upper Otay Reservoir.

**Relationship to General and Community Plans:** This project is outside of the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** Construction began Fiscal Year 2010.

**Justification / Public Benefit:** City property is designated Multiple Species Conservation Program Cornerstone Lands. Historic use by off roaders has significantly deteriorated the biological resources on the property, including vernal pools. City property is adjacent to and provides access to the federal and State preserve lands.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

**Operating Budget Impact:** None

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc       | Con Appn       | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------------|----------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 70,879        | 354,875        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 425,754          |
| <b>Total</b>         |         | <b>70,879</b> | <b>354,875</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>425,754</b>   |

## Public Utilities

### Water - Distribution Sys - Transmission

### South County Raw Water Reservoir Intertie Study / S00066

|                          |             |                             |                     |
|--------------------------|-------------|-----------------------------|---------------------|
| <b>Council District:</b> | Citywide    | <b>Community Plan:</b>      | Citywide            |
| <b>Project Status:</b>   | Released    | <b>Contact Information:</b> | Meda, Jesus         |
| <b>Duration:</b>         | 2009 - 2012 |                             | 619-527-3156        |
| <b>Improv Type:</b>      | New         |                             | jmeda@sanidiego.gov |

**Description:** This study will examine the feasibility and benefit of connecting four outlying reservoirs (Loveland, Murray, San Vicente, and El Capitan) to more efficiently operate the City's raw water reservoirs. The study will be performed in conjunction with the Secretary of the Interior and the Sweetwater Authority. These funds will be the City's share of a match to the federal funding.

**Justification / Public Benefit:** This study will look for ways to improve the water supply reliability and operational efficiencies of the existing reservoirs.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Project scheduling relies on 1) Finalizing an agreement with Sweetwater Authority (SWA) to conduct as a joint agency study, 2) Securing grant funding for the study, and 3) Completing the consultant selection process. SWA has the lead on all three of the above items. Planning is scheduled to begin in late Fiscal Year 2011 or early Fiscal Year 2012. The project is on hold pending the study.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn | FY 2011 | FY 2011<br>Anticipated | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|----------|---------|------------------------|---------|---------|---------|---------|---------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 780,000  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 780,000          |
| <b>Total</b>         |         |         | 780,000  | 0       | 0                      | 0       | 0       | 0       | 0       | 0       | 0         | 0                       | 780,000          |

## Public Utilities

### Water - Distribution Sys - Transmission

### Torrey Pines Road/La Jolla Blvd Main Replacement / S00003

|                                 |   |
|---------------------------------|---|
| <b>Council District:</b> 1      | <b>Community Plan:</b> La Jolla           |
| <b>Project Status:</b> Released | <b>Contact Information:</b> Azar, Hossein |
| <b>Duration:</b> 2000 - 2014    | 619-533-4102                              |
| <b>Improv Type:</b> Replacement | hazar@sandiego.gov                        |

**Description:** This project provides for the replacement of approximately 31,496 linear feet of aged 16-inch cast iron pipe along Torrey Pines Road and La Jolla Boulevard.

**Justification / Public Benefit:** This pipeline improvement project is necessary to prevent water pipe breaks and to ensure a continuous water supply to the La Jolla community.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the La Jolla Community Plan and is in conformance with the City's General Plan.

**Schedule:** This project was scheduled with multiple phases. Construction of the Fay Avenue Realignment segment was completed in Fiscal Year 2002. Construction of Phase I was completed in Fiscal Year 2006. The Pacific Beach Water Main Accelerated Replacement construction was completed in Fiscal Year 2006. Phase II construction was completed in Fiscal Year 2007. Design of the La Jolla Shores Drive 16" Water Main Replacement (Phase III) was put on hold in Fiscal Year 2006 at 90% completion due to funding issues. In Fiscal Year 2009 the project restarted, however due to revised project requirements, the design needs to be redone and it is scheduled to be completed in Fiscal Year 2010-2011. Construction is scheduled to begin in Fiscal Year 2011 and to be completed in Fiscal Year 2013.

**Summary of Project Changes:** The total project cost increased by \$2.4 million due to revised requirements. Total project expenditures do not include projects which closed prior to conversion to SAP.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc        | Con Appn       | FY 2011          | FY 2011 Anticipated | FY 2012          | FY 2013        | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified Funding | Project Total    |
|----------------------|---------|----------------|----------------|------------------|---------------------|------------------|----------------|----------|----------|----------|-----------|----------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 609,531        | 902,773        | 2,183,998        | 0                   | 2,186,883        | 224,088        | 0        | 0        | 0        | 0         | 0                    | 6,107,273        |
| <b>Total</b>         |         | <b>609,531</b> | <b>902,773</b> | <b>2,183,998</b> | <b>0</b>            | <b>2,186,883</b> | <b>224,088</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>             | <b>6,107,273</b> |

## Public Utilities

### Water - Distribution Sys - Transmission

### Water CIP Reserve / S00048

|                                   |   |
|-----------------------------------|---|
| <b>Council District:</b> Citywide | <b>Community Plan:</b> Citywide               |
| <b>Project Status:</b> Released   | <b>Contact Information:</b> Hwang, Guann-Jiun |
| <b>Duration:</b> 1999 - 2020      | 848-292-6476                                  |
| <b>Improv Type:</b> Replacement   | ghwang@sandiego.gov                           |

**Description:** This project provides for an emergency financial reserve for Capital Improvement projects.

**Relationship to General and Community Plans:** This reserve is in conformance with the City's General Plan.

**Justification / Public Benefit:** This reserve is required to comply with the stipulation in the bond covenants.

**Schedule:** The reserve was budgeted in Fiscal Year 1999, and will be held as a continuing appropriation.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2011.

#### Expenditure by Funding Source

| Fund Name            | Fund No | Exp/Enc | Con Appn         | FY 2011  | FY 2011<br>Anticipated | FY 2012  | FY 2013  | FY 2014  | FY 2015  | FY 2016  | Future FY | Unidentified<br>Funding | Project<br>Total |
|----------------------|---------|---------|------------------|----------|------------------------|----------|----------|----------|----------|----------|-----------|-------------------------|------------------|
| WATER UTILITY OPERAT | 700011  | 0       | 5,000,000        | 0        | 0                      | 0        | 0        | 0        | 0        | 0        | 0         | 0                       | 5,000,000        |
| <b>Total</b>         |         |         | <b>5,000,000</b> | <b>0</b> | <b>0</b>               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>                | <b>5,000,000</b> |